



TIMES
AND
APPOINTED
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MICHAEL P. MCHUGH

BIBLICAL CHRONOLOGY
AND
THE HEBREW CALENDAR

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TRUTH is hard enough for historians to discover and convey in their writings, but some readers resent their going to the trouble. Anatole France said, “If you present history in an unexpected aspect you surprise the reader, but he does not like to be surprised. If you try to instruct him, you only humiliate and anger him... As a result, an original historical view is a universal object of suspicion and disgust.”

Anatole France, quoted by Col. Mark Boatner
Daniel Gruber: *Rabbi Akiba's Messiah*, p. 3.

תְּקוּמַת יִשְׂרָאֵל תִּהְיֶה בְּיָמֵינוּ
(תהילים ק"ב: י"ד)

You will arise and comfort Zion, for it is time to be gracious to her, for the Appointed Time has come. (Psalm 102:14)

שמע ישראל יהוה אלהינו יהוה אחד
ברוך שם כבוד מלכותו לעולם ועד

Dedication

- ❖ To my FAMILY, for whom the research was first intended
- ❖ To ALL who walk the ANCIENT PATHS and hold to faith in MESSIAH YESHUA
- ❖ To the memory of my dear friend, XAVIER GONZALEZ (ב"ר), a fellow pioneer in this WAY and a source of unequalled encouragement to me

Acknowledgments

Discussions with Bo Williams, Joshua Williams and Shane Nelson yielded much fruit in this research project. I am indebted to them for their respective contributions; their input has been invaluable.

Bo was the catalyst for this project. He started the ball rolling when he sent me a copy of Dr. Floyd Nolan Jones' book, "Chronology of the Old Testament," back in 2003 or 2004. The first insight which impacted this study was his understanding of what I call the "Joshua Factor," which is crucial for understanding how to count the *Omer*. Interestingly enough, it would also be key to how to count the Jubilee. Two of my greatest, "Ah ha!" moments in the quest to understand biblical chronology in general and the Hebrew calendar in particular I thus attribute to Bo.

I would also like to thank Joshua Williams for his input as this work progressed. His understanding of the Hebraic method of determining one's age (see page 12) gave clarity to an aspect of this study which I was having trouble plotting. Joshua has also invested a lot of time examining/verifying dates and astronomical information. I am grateful.

Justin Swatsenbarg also devoted time to proofing this manuscript. He caught a number of blunders and things I overlooked. I cannot overstate the importance of that.

I thought I had finished my research when Bo introduced me to Shane Nelson. Shane's insights into the barley issue and the relevance of the Elephantine Papyri to the question of when to start the year made me take a step back and revisit the matter. The result was a more precise understanding of what I call, "The Ezra Calendar."

This work would not have been the same without their involvement. Though we do not see eye-to-eye on all the details, I am pleased to count them among my friends.

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Fall 6618 CR | 2023 CE

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Preface

My enquiry into the subjects of biblical chronology and the Hebrew calendar had its start back in 2001 as a small study group. We were looking for practical answers to questions we had never asked before. We had just started keeping Sabbath, being new to *Torah*. We knew little about chronology and the biblical Feast Days. We had questions.

How do we determine the start of the year so we can keep Passover at the right time? Do we use the rabbinic system? Do we go by when the barley is ripe in Israel or in some other location? Does the spring equinox figure in somehow? Does a new month begin with the first visible crescent or the astronomical new moon or the full moon? Do we keep Sabbath from sundown “Friday” to sundown “Saturday” or from 6:00 PM to 6:00 PM? Or is the Sabbath linked to the phases of the moon? Concerning *Shavu’ot* (Pentecost), do we start counting those fifty days from the second day of Unleavened Bread according to rabbinic protocol, or do we begin the count from the “Sunday” within Passover week? What, exactly, were the parameters of the authentic, ancient Hebrew Calendar?

What year are we in from Creation? When did the Flood occur? What was Messiah’s birth year and when did he die? When did the “sixty-nine weeks” of Daniel’s “Seventy Weeks” prophecy start and where are we in relation to the final seven years of it? When did the Romans destroy the Second Temple? Where in time were the Sabbatical/Jubilee years, and where are we now in relation to them? What is the chronology?

In order to answer some of these questions I created a spreadsheet with over six thousand columns, one for each year of world history. As it developed, it became necessary to plot out nine main chronological yardsticks. Each of them marks time in a slightly different way. To each I assigned a separate row. Those of you old enough to remember the slide rule, precursor to the pocket calculator, know that making accurate calculations on one required aligning the numbers in just the right way. Like the slide rule, I have attempted to align these time indicators in such a way as to allow events to be plotted without any discrepancies arising between any of them. This I did within the parameters of the Ezra Calendar, which is explained in Appendix 2.

I hope to demonstrate this alignment in the following pages. I will also present evidence of the Sabbatical/Jubilee cycle from both Scripture and historical sources, and show where I believe we are now in relation to it. Most importantly, I will demonstrate its relevance to Messiah’s first appearing and quite possibly, to his return.

Introduction

There are a few things I would like to mention at the start of this to help the reader get a feel for my mindset in writing. Hence, a brief overview of the data and process that went into the making of this timeline is appropriate.

Language

I am unashamedly a believer in Yeshua of Nazareth. I believe he is the long-awaited Messiah of Israel. He is not a Greek or a Roman. He is a Hebrew from the tribe of Judah. For that reason, Latin and Greek names, transliterations, and terminology seem wrong in a work intended to draw attention to him as such. However, I feel that a purely Hebraic terminology would be distracting to those who might be just starting out on this path or who only know him by the Anglicized Greek transliteration – Jesus. Therefore, I have settled on the following basics:

1. BCE & CE

These abbreviations stand for “Before the Common Era” and “Common Era,” respectively. The more familiar designations are B.C. for “Before Christ” and A.D. for the Latin, *Anno Domini*, “the Year of Our Lord.” Most scholars recognize that an error in computation was made when the BC/AD system was adopted. For this reason, and because he is a Hebrew, I have opted for the more correct BCE/CE abbreviations for Roman years. It has nothing to do with wanting to denigrate him. On the contrary, I wish to draw attention to him and his Hebrew character as the Messiah of Israel.

2. CR

I have chosen this abbreviation for the year of Creation. Usually it is designated as A.M., *Anno Mundi*, which is Latin for “the Year of the World.” I am avoiding an unwanted Latin appellation.

3. Hebrew Words

Certain Hebrew words in a work like this are unavoidable. They appear in transliterated form. The names of the months of the year are one example. Others I have chosen to use because they convey a slightly different nuance of meaning than the English translations with which we are familiar. Sorry for the culture shock, but a little is necessary. After all, the Creator has chosen to reveal himself primarily in the Hebrew language. All transliterated words are italicized. Following are some of the most common ones in this work.

a. *Tanakh* תנ"ך

This is an acronym for *Torah, Nevi'im OoKhtuvim*, that is, “The Law, the Prophets and the Writings.” It encompasses what is commonly referred to as the “Old Testament.”

b. *Torah* תורה

This is the word translated as the “Law” in most English translations of the Hebrew Scriptures. It most generally stands for the first five books of Moses. Since its primary meaning is “Instruction” and not “Law,” I wanted to retain the flavor of the Hebrew.

c. *Elohim* אֱלֹהִים

In translations from the *Tanakh*, I have also supplied *Elohim* in place of “God.” God means “good,” and while I have no problem understanding him as “good” or referring to him as “God” (the Good One), the Hebrew word *Elohim* conveys not goodness but strength and power. Since there is no one English word which properly conveys that, I have chosen to use the transliterated Hebrew instead.

d. יהוה

These four letters (*Yud Hei Vav Hei*) are the Hebrew name of the Creator. In most English translations, they are rendered as “the LORD,” which is a title and does not represent his name at all. In this work, I have replaced “the LORD” with the Hebrew letters where they are found in the Hebrew text.

e. Yeshua

This is the Hebrew name the Anglicized “Jesus” hides. It will not be italicized. It is the name Gabriel instructed his mother to name him. It is the name he went by during his days on earth and is still his name today, as far as I know. I’m sure he’s rather fond of it.

4. English Names

Although the temptation was great to give all biblical personal names a Hebrew transliteration, I have opted for standard English names as found in most English Bibles. There is no use in sending the beginner into undue culture shock at this point.

Indisputable Dates

The timeline is laid out around two dates on which capable chronologists appear to be in universal agreement. These dates served as starting points for plotting the data and verifying virtually everything else. They are as follows:

1. The thirty-seventh year of Nebuchadnezzar (568–567 BCE)
2. The year Xerxes was murdered and his son, Artaxerxes, ascended the Persian throne (465 BCE)

Though the material is presented from Creation onward, the layout was crafted working forwards and backwards in time from these two dates. That was the first task. Having accomplished it, the Sabbatical/Jubilee cycle was determined. Five factors influenced and identified its location in time:

1. Hezekiah’s 14th year (711–710 BCE)
2. Artaxerxes’ 7th year (458–457 BCE)
3. Artaxerxes’ 20th year (445–444 BCE)
4. The Daniel 9:24-27 prophecy
5. The Seleucid dating scheme

The Hebrew text of Isaiah 36-37 reveals Hezekiah's fourteenth year to have been a Sabbatical year, followed by a Jubilee. It provides from the Scriptures a bona-fide place in history where the Jubilee actually occurred. Artaxerxes' seventh year and the Daniel 9 prophecy align perfectly with it. The twentieth year of Artaxerxes was also a Sabbatical year, as indicated by the book of Nehemiah. When combined with Sabbatical-year dates found in the writings of Josephus and Maccabees, it was possible to align the cycle with the BCE/CE dating scheme and determine the beginning of the Seleucid Era.

Texts

The Samaritan Pentateuch (SP), the Masoretic Text (MT) and the Septuagint (LXX) present three distinct genealogies for Genesis chapters 5 and 11. The SP presents a shorter version at Genesis 5, while the MT shortens Genesis 11. The LXX exhibits the longest version with the addition of a second Kenan between Arpachshad and Shelah. There is much debate over which of them presents the true numbers.¹ All three sets of genealogies were therefore plotted for analysis. Since the timeline is anchored at the 37th year of Nebuchadnezzar and the ascension year of Artaxerxes, the only dates affected by the differences were the year of Creation and the year of the Flood. I have come to the conclusion that the MT chronology of Genesis 5 and the SP chronology of Genesis 11 give us the true numbers. The timeline was laid out accordingly.

Astronomical Calculations

New moon calculations are from the LunaCal2.1© and LunaCal4.0© programs, authored by Dr. Roy Hoffman of the Israeli New Moon Society. They were used by permission. You can download LunaCal software from:

http://www.geocities.ws/royh_il/software.htm
<http://chem.ch.huji.ac.il/nmr/foo/lunacal4.0/publish.htm>

Equinoxes were determined from two sources. The first was Dr. Irv Bromberg's *Kalendis* program, which you can download from his site. The second was NASA. They can be found at:

<https://individual.utoronto.ca/kalendis/kalendis.htm>
<https://data.giss.nasa.gov/modelE/ar5plots/srvernal.html>

Eclipses were determined by NASA. That information is at:

<http://eclipse.gsfc.nasa.gov/eclipse.html>

¹ Associates For Biblical Research, "THE GENESIS 5 AND 11 GENEALOGY AND CHRONOLOGY RESEARCH PROJECT," last updated Nov. 28, 2022, accessed Dec. 11, 2022, <https://biblearchaeology.org/abr-projects/genesis-5-11-project>.



1

APPOINTED TIMES

A comprehensive study should always start with the basics. This chapter is that study in relation to the Hebrew Calendar. It contains pertinent biblical and astronomical data at the foundational level.

Biblical Data

The Hebrew Calendar is Based on the Sun, Moon and Stars Together.

And *Elohim* said, “Let there be lights in the firmament of the heavens to divide the day from the night; and let them be for signs and seasons (מוֹעָדִים - *Mo’adim*), and days and years...”

Genesis 1:14

He made the moon for seasons (מוֹעָדִים – *Mo’adim*); the sun knows its going down.

Psalm 104:19

These texts instruct us that the sun, moon, and stars work together to govern the divisions of the years. This includes, by definition, when to start the year. The reckoning of days, months and years in a general, collective sense are determined by the lights in the heavens. The “seasons” or *Mo’adim*, are the biblical “Appointed Times.” Below is Gesenius’ definition of *Mo’ed* and its root *Ya’ad*, followed by a list of the *Mo’adim* from Leviticus 23.

מוֹעֵד ... a set time ... a point of time, spec. a festival day...²

יָעַד ... TO POINT OUT, TO DEFINE, TO APPOINT, especially a place... and time... to appoint a time or place...³

Shabbat (Sabbath) – 7th day of the week

Pesach (Passover) – 14th of the first month

First day of *Matzot* (Unleavened Bread) – 15th of the first month

² William Gesenius, *Hebrew and Chaldee Lexicon*, trans. Samuel Tregelles (Grand Rapids: Erdmans, 1974), p. 355.

³ *Ibid.*, p. 457.

Times and Appointed Times

Seventh day of *Matzot* (Unleavened Bread) – 21st of the first month
Shavu'ot (Pentecost) – 50 days after the Sabbath of Passover week
Yom Tru'ah (Feast of Trumpets) – 1st of the seventh month
Yom HaKippurim (Day of Atonement) – 10th of the seventh month
First day of *Sukkot* (Tabernacles) – 15th of the seventh month
Shmini Atzeret (Eighth Day Assembly) – 22nd of the seventh month

The Hebrew Day Begins in the Evening.

In the beginning *Elohim* created the heavens and the earth... and darkness was on the face of the deep... and *Elohim* said, “Let there be light...” ... and there was evening and there was morning...

Genesis 1

So it was, as shadows fell on the gates of Jerusalem before the Sabbath, that I commanded the doors to be shut, and charged that they not open them till after the Sabbath...

Nehemiah 13:19

... from evening until evening, you shall keep your Sabbath.

Leviticus 23:32

From Genesis the principle of evening as the beginning of the day is well established. The creation process began in darkness. Light followed. The Nehemiah text is consistent with that. The new day approaches as it begins to get dark. The instructions for the special Sabbath of *Yom Kippur* in Leviticus 23 are also consistent with it. A principle good for a special Sabbath is good for the weekly Sabbath as well, wouldn't you say?

The Seventh Day is the End of the Week.

And by the seventh day *Elohim* had completed his labor which he had done, and he rested on the seventh day from all his labor which he had done.

Genesis 2:2

The seventh day is the Sabbath and is the end of the week. Some keep a so-called “Lunar Sabbath,” erroneously associating the Sabbath with the lunar cycle. A brief but full discussion follows later.

The Hebrew Month Begins with the First Visible Crescent.

The connection between the beginning of the month and the crescent moon is seen in the definition of *Chodesh*, “moon” or “month,” and its root, *Chadash*. Below are the definitions, again from Gesenius.

חֹדֶשׁ... (1) ...the new moon, the day of the new moon... (2) a lunar month, beginning at the new moon.

חדש... TO BE NEW...also *to polish* a sword... It is of the same family as חד, קד, and the signification of *newness* appears to proceed from that of a sharp polished splendid sword...⁴

Only the crescent moon can resemble a polished sword. Neither the full moon nor the conjunction fits the bill. The names and order of the Hebrew months follow, with the biblical reference in parentheses where available.

- | | |
|---|--|
| 1. <i>Aviv/Nisan</i> (Ex. 13:4/Esth. 3:7) | 7. <i>Eitanim/Tishri</i> (1 Kings 8:2) |
| 2. <i>Ziv</i> (1 Kings 6:1) | 8. <i>Bul</i> (1 Kings 6:38) |
| 3. <i>Sivan</i> (Esth. 8:9) | 9. <i>Kislev</i> (Zech. 7:1) |
| 4. <i>Tammuz</i> | 10. <i>Tevet</i> (Esth. 2:16) |
| 5. <i>Av</i> | 11. <i>Sh'vat</i> (Zech. 1:7) |
| 6. <i>Elul</i> (Neh. 6:15) | 12. <i>Adar</i> (Esth. 3:7) |

There are those who believe the month should start based on when the moon is first seen from Israel. Others believe that it should be based on from wherever it is seen. The time is coming very soon when this discussion will be moot. The book of Revelation describes a 1,260-day, forty-two-month period of time we are all familiar with as “The Great Tribulation.” 1,260 days divided by 42 months equals 30 days. That translates into a three-and-a-half-year period of time where all the months have thirty days and the year is three hundred and sixty days long. I’m of the opinion that the text should be taken at face value and understood quite literally. Accordingly, I believe there will be a specific number of days (1,260) and a specific number of corresponding months (42). I was taught long ago that if the plain sense of Scripture makes sense, we should seek no other sense. I still adhere to that basic principle of biblical hermeneutics. For that reason, I personally believe that something will transpire to change the courses of the earth and the moon. Perhaps the asteroid/comet strikes recorded in Revelation 8 will do just that. If I am wrong, time will tell (pun intended). Whether the courses of the earth and moon change or whether the heavens will be so darkened that we won’t be able to actually see the moon, the end result is the same: we will be counting.

The Hebrew Year Starts in the Spring.

This month is to be for you the head חד (Rosh) of months. It is to be for you the first חודש (Rishon) of the months of השנה (HaShannah) the year.
Exodus 12:2

Jehoiachin was eight(een) years old when he became king... And at the turn of the year King Nebuchadnezzar sent for him and brought him to Babylon...
2 Chronicles 36:9-10

In the seventh year, the month of Kislev, the king of Akkad mustered his troops, marched to the Hatti-land, and encamped against (i.e., besieged) the city of Judah and on the second day of the month of Adar (March 16, 597) he seized the city and captured the king. He

⁴ Gesenius, *Lexicon*, p. 263.

appointed there a king of his own choice (literally, “heart”), received its heavy tribute and sent [them] to Babylon.⁵

The Scriptures tell us that King Jehoiachin was captured “at the turn of the year.” The Babylonian Chronicle is more specific and gives the name of the month as *Adar* – the twelfth month. The first month of the Hebrew year is thus, *Nisan*, sometimes called *Aviv*. According to Exodus 12:2 *Rosh HaShannah* is the beginning of the first month. The Mishnah, compiled in the second century by Judah “the Prince,” a disciple of Rabbi Akiva, reveals a conflicting perspective. Contradicting all biblical data, these rabbis advocated a New Year beginning with the seventh month, the month of *Tishri*.

There are four New Years. On the first of *Nisan* is the New Year for kings and for the regular Feasts; on the first of *Elul* is the New Year for the tithe of livestock; Rabbi Eliezer and Rabbi Shimon say, “On the first of *Tishri*.” On the first of *Tishri* is the New Year for years, for Sabbatical years, for Jubilee years, for planting, and for vegetables. On the first of *Sh’vat* is the New Year for trees according to the School of Shammai. The house of Hillel says, “On the fifteenth.”
Rosh Hashanah 1:1

Where is the biblical justification for this approach to *Rosh HaShanah* – the New Year? There is none. Whenever the Scriptures give a numerical value to the names of the months, they are always consistent with *Nisan* being the first month. We’re not talking about “fiscal” or “agricultural” years. We’re talking about the reckoning of years for calendrical purposes. And with that in mind, *Nisan* is never called the seventh month, and *Tishri* is never called the first month. It stands to reason, therefore, that the Sabbatical year, like the years leading up to it, would start on the first month, the month of *Nisan*.

Sabbatical Years Start in the Spring.

And Moses commanded them, saying: “At the end of seven years, at the *Mo’ed* of the year of *Sh’mitah* (release), at the Feast of *Sukkot*...”
Deuteronomy 31:10

Speak to the sons of Israel, and say to them: “When you come to the land which I am giving you, the land is to keep a Sabbath to יהוה. Six years you shall sow your field, and six years you shall prune your vineyard, and gather its fruit, but in the seventh year the land is to have a Sabbath’s rest (שַׁבַּת שְׁבַתֹּת *Shabbat Shabbatōn*), יהוה’s Sabbath. You shall not sow your field or prune your vineyard. What grows of its own accord from your harvest you shall not reap, nor gather the grapes of your untended vine. It is to be a year of rest (שַׁבַּתֹּת *Shabbatōn*) for the land. And the land’s rest (שַׁבַּת *Shabbat*) shall be food for you: for you, your male and female servants, your hired man, and the immigrants dwelling with you, for your livestock and the beasts that are in your land – all its produce shall be for food. And you shall count for yourself seven Sabbaths of years – seven years, seven times – and the days of the seven Sabbaths of years shall be to you forty-nine years.”
Leviticus 25:2-8

⁵ Edwin Richard Thiele, *The Mysterious Numbers of the Hebrew Kings* (Grand Rapids: Zondervan, 1983), p. 208.

It is worthy of note in the biblical passages above that the seventh *Sukkot* marks the end of a seven-year period of time. *Sukkot*, therefore, marks the end of the year, not the beginning. In actuality, it marks the beginning of the last half of the year, just as Passover marks the beginning of the first half.

To assume that years in general and Sabbatical years in particular have always begun in the fall simply because certain rabbis of the second century advanced the concept is to be guilty of presumption. The biblical text mandates a spring-to-spring year and a spring-to-spring count of years leading up to the seventh year, the Sabbath year. The concept of a fall-to-fall reckoning of years for calendrical purposes is found only in the writings of the rabbis and should be dismissed based on the biblical text.

Incidentally, the seven-year Sabbatical cycle did not trace back to Creation using the LXX, MT or SP genealogies. It did, however, when the MT Genesis 5 and SP Genesis 11 chronologies were combined.

Jubilee Years Are Special-Sabbath Years.

You shall count for yourself seven Sabbath's of years – seven years, seven times – and the seven Sabbaths of years shall be to you forty-nine years. And you shall sound the *shofar* of rejoicing in the seventh month, on the tenth of the month, on the Day of Atonement; you shall sound the *shofar* throughout all your land. And you shall hallow the fiftieth year, and proclaim release throughout the land to all its inhabitants. It shall be your Jubilee; and you shall return each man to his possession, and you shall return each man to his family. The fiftieth year shall be your Jubilee; you shall neither sow nor reap what grows of its own accord, nor gather from your untended vine. For it is the Jubilee; it shall be holy to you; you shall eat its produce from the field... And if you say, “What shall we eat in the seventh year, since we shall not sow nor gather in our produce?” Then I will command my blessing for you in the sixth year, and it will yield produce for three years. And you shall sow in the eighth year, and eat of the old until the ninth year; until its produce comes in, you shall eat of the old.

Leviticus 25:8-12, 20-22

On the tenth day of the seventh month of year forty-nine, on the Day of Atonement, the upcoming Jubilee is announced with a country-wide sounding of the shofar and a proclamation of Release. Like the notice given from a public address system that the store will be closing in fifteen minutes, the announcement on the Day of Atonement gives six months to prepare for the required changes that will be made at the start of the new year. I believe the Jubilee is best understood as both the fiftieth year of the old count and the first year of the new count. A fifty-year cycle does not work with the Sabbatical year dates found in Maccabees and Josephus. It only works with a forty-nine-year cycle, where the fiftieth Jubilee year is also a Special Sabbath first year. The pattern is exemplified in the fifty-day count to *Shavu'ot*. More on this later.

The Jubilee pattern discovered at the fourteenth year of Hezekiah did not trace back to Creation in the LXX, the SP, the MT or the combination of MT Genesis 5 with SP Genesis 11. It seems to have begun with Joshua's conquest of Canaan. The instructions for the Sabbatical/Jubilee years in Leviticus 25:2-34 are prefaced with what appears to be the starting point for the cycle.

Speak to the sons of Israel and tell them, “When you come into the land that I am giving you, then the land is to have a Sabbath to יָהוָה...”

Leviticus 25:2

The Start of the Year Is Determined by the Equinox.

I am aware of four contemporary calendrical systems. They each determine the start of the new year differently. They are as follows:

1. Rabbinic Model

This model is calculated. The start of the year is based on rabbinic postponement rules. Hillel the second is said to have been the one responsible for developing this system in the fourth century. That claim has recently been called into question. At any rate, the calendar was designed so that Passover would always fall on or after the spring equinox. Today, because of “seasonal drift,” it is sometimes celebrated before the vernal equinox. The rabbinic model depends on the sun, moon and stars in a very general sense. Rabbinic protocol determines the start of months and years, not the Hebrew Scriptures.

2. Karaite Model

This model cannot be calculated. The Karaites examine the state of the barley in Israel to determine the start of their year. When the barley is “*Aviv*” according to their definition, the new year starts. Herb Solinsky has written extensively on this subject. His research is summed up below. The bold font is the author’s emphasis.

Conclusions about aviv: From the context of Ex 9:31-32 alone, the word aviv does include multiple stages of the development of ears of barley. Either the milk and dough phases are represented, or the dough and ripening phases are represented. The flexibility in the language of Lev 2:14 allows the firstfruits of the cereal offering to include all stages in the development of the ear of grain, and aviv is applied to such firstfruits. This implies that aviv means “ears” without restriction to any stage or stages of growth. The Dead Sea Scrolls from c. 150 BCE show that aviv includes a state of grain that allows flour to be made from it.⁶

The conclusion is that there is no narrow definition of *aviv* that fits the biblical contexts that could be used as a trigger to make a clear decision that now you have *aviv* and previously you did not have *aviv*. People can invent their personal definition of *aviv* to obtain a clear trigger for such a decision, but such a personal definition is not in harmony with the two Scriptural contexts of Ex 9:31 and Lev 2:14.⁷

There is no evidence that the ancient Hebrew calendar ever started the new year on the basis of any combination of agricultural elements, including barley.

⁶ Herb Solinsky, *Barley and Calendar, Tenth Edition*, July 23, 2018, accessed Feb 21, 2022, p. 65, http://www.biblicalcalendar.org/Barley_and_Calendar.pdf.

⁷ *Ibid.*, pp. 73-74.

Discussions to that effect are found only in the writings of the rabbis, who compiled their views in the second century. If we are looking to the *Tanakh*, it's the sun, moon and stars that govern the divisions of the months and years (Gen. 1:14). Barley is not on the list.

3. Closest Moon Model

This model is calculated. The year starts with the new moon nearest to the vernal equinox. Passover must fall on or after the equinox. This model resembles the original rabbinic model without the postponement rules. I have found no historical precedence for it.

4. Ezra Model

This model is calculated. The year never starts more than one day before the vernal equinox. The system was in use through at least the end of the Persian period. Jerusalem, Babylon and Elephantine were all using this same calendar scheme from 485 BCE to 351 BCE.⁸ It is the model in use when Artaxerxes charged Ezra the priest to take *Torah* to his empire. Does this not tell us something about Ezra's perspective on when to start the year?

As stated earlier, this timeline was developed on the basis of the Ezra Model. In my opinion it bears all the marks of divine authenticity, being in sync with the heavens like no other calendar system.

Astronomical Data

In conjunction with the biblical text, astronomical reality was used to develop the chronology. An accurate understanding of the combined movements of the sun and moon is essential to unlocking the secrets of the Hebrew calendar.

Three Hundred and Fifty-three-Year Lunar/Solar Cycle

The time it takes the moon to make one full revolution around the earth is called a "lunation." The length of one lunation is roughly 29 days, 12 hours, 44 minutes & 3 1/3 seconds. That is about 29 1/2 days. The lengths of the months vary, therefore, between twenty-nine and thirty days. Twelve lunar months are approximately eleven days shorter than one solar year ($12 \times 29.5 = 354$ days). Therefore, a thirteenth lunar month (called *Adar 2*) must be added to the year every three years or so to keep the seasons in sync. This is called "intercalation." An intercalated year is called a "leap year." The intercalation cycle follows a nineteen-year pattern in which seven of those years are intercalated. The nineteen-year pattern is comprised of two half-cycles: an eleven-year cycle and a corresponding eight-year cycle.

Dr. Irv Bromberg of the University of Toronto has identified a three hundred and fifty-three-year solar/lunar pattern in which the sun and the nineteen-year lunar cycle stay

⁸ Wayne L. Atchison, *The Elephantine Letters*, 1994, p. 9, Accessed Nov. 16, 2007.
<https://sermons.faithlife.com/sermons/10186-the-elephantine-letters-by-wayne-atchison>.

in sync. This requires the addition of a special eleven-year cycle every three hundred and fifty-three years.⁹ The three hundred and fifty-three-year cycle is thus comprised of eighteen nineteen-year cycles [(11 + 8) x 18] and one special eleven-year cycle. It is consistent and mathematically predictable.

The nineteen-year lunar cycle has intercalations in years 1, 3, 6, 9, 11, 14 and 17. The special eleven-year pattern has extra months in years 1, 3, 6 and 9. The following table illustrates the patterns. The numbers in red represent the years which are intercalated.¹⁰

Eleven-year Half-cycle	Eight-year Half-cycle	Eleven-year Intercalation
1-2-3-4-5-6-7-8-9-10-11	12-13-14-15-16-17-18-19	1-2-3-4-5-6-7-8-9-10-11

To locate the stand-alone, eleven-year cycle, I consulted the Parker/Dubberstein tables¹¹ and discovered two places where the data shifted. The insertion of the eleven-year adjustment brought the intercalation scheme back into alignment as Dr. Bromberg discovered. The data is presented in Appendix 2 – The Ezra Calendar. There are three rules which govern intercalation. They are as follows:

1. At the beginning of year one in the nineteen-year cycle, whenever the first of the month falls one day before the equinox, it is ALWAYS delineated as the new moon of the new year – *Nisan*.
2. At the end of any other year, when the first day of the new month falls one day before the equinox, it is NEVER delineated as the new moon of the new year – *Nisan*; it is ALWAYS delineated as the last new moon of an intercalated year – *Adar 2*. This phenomenon is most noticeable in year eleven of the cycle.¹²
3. The last new moon of an intercalated year NEVER starts on or after the equinox.

Data Rows

Roman & Creation Years

1498	1497	1496	BCE	1494	1493	1492	1491	1490	1489	BCE	1487	1486
3098	3099	3100	CR	3102	3103	3104	3105	3106	3107	CR	3109	3110

These two rows are the main year-indicators of the timeline. The Roman year, beginning in January, is on the top. The Creation year, beginning in *Nisan* (March/April), is on the bottom.

⁹ Irv Bromberg, “The 353-Year Leap Cycle of the Rectified Hebrew Calendar,” *Symetry454*, June 22, 2011, accessed Oct. 23, 2011, <http://individual.utoronto.ca/kalendis/hebrew/rect.htm#353>.

¹⁰ The rabbinic model has never implemented the eleven-year intercalation. The current calendar has the extra thirteenth month in years 3, 6, 8, 11, 14, 17 and 19 of the nineteen-year “Metonic” cycle. This has not been consistent through the ages. See Bromberg.

¹¹ Richard A. Parker and Waldo H. Dubberstein, *Babylonian Chronology 626 B.C – A.D. 75* (Eugene: Wipf and Stock Publishers, 2007), pp. 27-47.

¹² The data was compiled using Dr. Bromberg’s *Kalendis* program in conjunction with Parker and Dubberstein’s *Babylonian Chronology*.

19-Year Lunar/353-Year Solar Intercalation Cycle

11	1+	2	3+	4	5	6+	7	8	9+	10	11+	12
353	1	2	3	4	5	6	7	8	9	10	11	12

The nineteen-year lunar intercalation cycle (top line) repeats every 353 solar years (bottom line). The blue shading represents the eleven-year intercalation.

Sabbatical/Jubilee Cycle

44	45	46	47	48	49	50 1	2	3	4	5	6	7
						30						

Each Sabbatical seventh year is highlighted in light blue. The Jubilee year is in a darker blue.

Daniel’s “Seventy Weeks” Prophecy

471	472	473	474	475	Week 61	477	478	479	480	481	482	Week 62
-----	-----	-----	-----	-----	---------	-----	-----	-----	-----	-----	-----	---------

Like a week of seven days, each week of years ends with a Sabbatical seventh year. Highlighted in darker blue, these years reflect the Sabbatical/Jubilee cycle.

Seleucid Reckoning

Seleucid	165	166	167	168	169	170	Seleucid	172	173	174	175	176
----------	-----	-----	-----	-----	-----	-----	----------	-----	-----	-----	-----	-----

This row represents Seleucid year reckoning as found in Maccabees and Josephus.

AUC Reckoning

AUC	19	20	21	22	23	24	AUC	26	27	28	29	30
-----	----	----	----	----	----	----	-----	----	----	----	----	----

AUC, an abbreviation for the Latin, *Ab Urbe Condita*, means, “From the Founding of the City” and refers to years from the establishment of Rome.

Olympiad Reckoning

17th Olympiad	18th Olympiad	19th Olympiad	
---------------	---------------	---------------	--

This is the four-year pattern of the Olympiads. Each box represents a four-year series beginning with the month of July.



2

MESSIAH THE PRINCE

When I first opened Dr. Floyd Nolan Jones' book, *The Chronology of the Old Testament*, I was immediately struck with the headiness of the subject. However, I wanted to understand it. So, inspired by Dr. Jones' work, I decided to make a spreadsheet with a column for every year of world history and plot out for myself all pertinent biblical and verifiable historical data I could find. This daunting process led me to the discovery of a Sabbatical/Jubilee cycle different from the one in use today, which in turn led to a truly amazing discovery concerning Messiah's coming: they coincide!

All of biblical prophecy, from Genesis to Revelation, centers on the theme of redemption. In one way or another it points to the Creator's work of salvaging his creation. Those of us who believe Yeshua is the Messiah, the Great I AM, know that he gave himself as the price of our buyback from the enemy. It is in Yeshua that all history culminates. It is in him that all prophecy finds its ultimate fulfillment. The year of his initial appearance was foretold in the book of the prophet Daniel.

So you are to know and understand, that from the going forth of the word to restore (לְהַשִּׁיב) and to build (לְבַנוֹת) Jerusalem until Messiah the Prince (מְשִׁיחַ נְגִיד), there shall be seven weeks (שִׁבְעִים *Shavu'im*) and sixty-two weeks (שִׁבְעִים *Shavu'im*). It shall be built again, street and wall, even in troublesome times. And after the sixty-two weeks (שִׁבְעִים *Shavu'im*) Messiah (מְשִׁיחַ) shall be cut off, and have nothing; and the people of the coming prince shall destroy the city and the sanctuary...

Daniel 9:25-26

The incredible accuracy of this prophecy is awe-inspiring. The association of his appearing with the Sabbatical year and thirtieth Jubilee is truly instructive. The possible ramifications for his return are thought-provoking. It will take a little work to get there, but the journey is worth it. We will start from the beginning.

Creation (1 CR | 4595 BCE)

This is the book of the generations of Adam. In the day that *Elohim* created man, he made him in the likeness of *Elohim*. Male and female he created them, and he blessed them and called them Adam in the day they were created.

Genesis 5:1-2

The year of Creation was determined by working back from the date of the Flood. A full discussion follows in the next section. When plotting the data, it is important to understand the Hebrew way of determining one's age. It can be summed up as follows:

1. The calendar year in which a child is born is not included in his age.
2. A man's age changes at the beginning of a new calendar year, even if he dies a short time into that year.
3. "Fathering a Child" refers to birth, not conception.¹³

These principles, without exception, work throughout the timeline. The "zero" at the beginning of each man's life represents the year of his birth. Only Adam was not given a "zero" year as he was created fully grown. Without this year, Methuselah dies – oops – after the Flood. In the following section we shall see that he died the same year as the Flood. Since it occurred on the seventeenth day of the second month, we see how principle number two above actually plays out: Methuselah had to have died within the first month and a half of that year, yet his age changed when the calendar year changed.

Flood – MT Genesis 5 & SP Genesis 11 (1656 CR | 2940 BCE)

Noah was six hundred years old when the floodwaters were on the earth...

In the six hundredth year of Noah's life, in the second month, the seventeenth day of the month, on this day, all the springs of the great deep were broken up, and the windows of heaven were opened...

The waters prevailed on the earth one hundred and fifty days...

And the waters kept receding from the earth. By one hundred and fifty days the waters had decreased. And the ark came to rest in the seventh month, the seventeenth day of the month, on the mountains of Ararat...

It was in the six hundred and first year, in the first month, on the first of the month, that the water was dried up from the earth...

These are the generations of Shem: Shem was one hundred years old and begot Arpachshad two years after the Flood.

Genesis 7:6,11, 24; 8:3-4,13; 11:10

¹³ Even in English we say, "I'm going to be a father!" even though the child is already alive in the womb. We associate fatherhood with birth. This is a Hebrew thought process which is evident in the chronology.

The year of the Flood was determined for all three genealogies by working back from the date of the Exodus, which was determined by working back from the anchor points of Nebuchadnezzar's 37th year (568 BCE) and the ascension year of Artaxerxes (465 BCE). To check this year against the biblical data, I laid out a calendar for the first seven months of Hebrew years 2242 CR | 3174 BCE (LXX), 1307 CR | 2940 BCE (SP), and 1656 CR | 2290 BCE (MT).¹⁴ There must be a total of one hundred and fifty days inclusive from the seventeenth of the second month to the seventeenth of the seventh month. In order to have this one-hundred-and-fifty-day period, only one month in five – months two through six – can contain twenty-nine days. The other four must contain thirty. This is extremely rare. Obviously, the last seventeen days of the seventh month can be from either a twenty-nine or thirty-day month since only the first seventeen days concern us.

The only year that yields those 150 days is the year designated by the numbers of the Samaritan Pentateuch. The months of the Flood according to the Masoretic Text give us a count of only 149 days. This indicates to me that the numbers in the SP genealogy at Genesis 11 are valid.

While the SP Genesis 11 numbers indeed gives us a bona-fide year for the Flood, its numbers in Genesis 5 belie, in my estimation, an artificial doctoring of years. For example, Jered, Lamech and Methuselah all suspiciously died the year of the Flood. According to the Septuagint, Methuselah died fourteen years *after* the Flood. The Masoretic Text has him dying the year *of* the Flood, and this in my opinion provides the only non-problematic scenario of the three. The MT however, presents its own difficulties with its shortened genealogy at Genesis 11.

We find there, as an example of other incongruities, the claim that Shem was contemporary with Abraham, Isaac and Jacob. He reportedly lived to see the deaths of grandsons Peleg, Nahor, Reu, Serug, Terah, Shelah and Abraham, as well as the death of his own son, Arpachshad. And what shall we say of Heber? He outlived his son, Peleg, and the grandsons in his genealogy down to the 7th generation! I no longer find this scenario credible. I believe it to be a rabbinic myth which requires at its core that Shem and Melchizedek be one and the same. In the book of Jashar, he is called Adonizedek.

And also, Adonizedek, king of Jerusalem (that is, Shem), went out with his men to meet Abram and his people with bread and wine, and they sat there together in the valley of the King. And Adonizedek blessed Abram, and Abram gave him a tenth from all that he had brought from the spoil of his enemies, for Adonizedek was a priest before God.
Jashar 16:11-12

This is a reference to Genesis 14:17-20 where Melchizedek blesses Abram. I believe the rabbinic story with its shortened Genesis 11 chronology originated as a reaction to the comparison of Melchizedek with Messiah in Hebrews chapter seven. If Melchizedek was Shem, he couldn't be associated with Yeshua, could he? I see it as but one example of the length to which the rabbis have gone in an attempt to discredit Yeshua as Messiah and wipe his name from Jewish consciousness.

From my perspective, the data indicates that the MT Genesis 5 genealogy and the SP Genesis 11 genealogy are credible and belong together. I believe the internal evidence of the genealogies themselves supports this assertion. In the Genesis 5 chronology, both

¹⁴ The layouts are found in Appendix 1 – Year of the Flood.

the MT and SP tell us exactly how long each man on the list lived. In the Genesis 11 chronology, only the SP gives us that information. When combined, both the MT Genesis 5 and SP Genesis 11 chronologies tell us how long each man lived. They work in tandem and read consistently. So, in summary, here are the conclusions I have drawn from the facts as I understand them:

1. The LXX has Methuselah living fourteen years after the Flood. While the year for the Flood (3174 BCE) does work with the biblical data, its numbers as a whole, create more chronology problems than they solve. More on this later.
2. The SP exhibits an artificial shortening of the Genesis 5 chronology but its longer Genesis 11 chronology works with the biblical data for the year of the Flood. Its numbers in Genesis 11, therefore, are ones that can be trusted.
3. The MT exhibits a “non-problematic” Genesis 5 chronology but its artificial shortening of the Genesis 11 chronology does not work with the biblical data for the year of the Flood. Its numbers in Genesis 5, therefore, are ones that can be trusted.
4. When the MT Genesis 5 and SP Genesis 11 genealogies are combined, the wording is consistent and both parts read as a whole.

For these reasons, I have laid out the timeline using the Masoretic Text of Genesis 5 and the Samaritan Pentateuch of Genesis 11. I believe this combination gives us an accurate date for Creation and the Flood and allows the other important variables to be synchronized.

Abram Leaves Haran – SP (2673 CR | 1923 BCE)

Now יהוה said to Abram: “Go from your land, from your homeland, and from your father’s house, to the land I will show you. I will make you a great nation; I will bless you and make your name great; and you shall be a blessing. I will bless those who bless you, and him who curses you I will curse; and in you all the families of the earth shall be blessed.” So Abram went as יהוה had said to him, and Lot went with him. Abram was seventy-five years old when he left Haran... And he said to Abram, “Know for sure that your seed will be a stranger in a land not theirs, and they will serve them; and they will afflict them four hundred years.”

Genesis 12:1-4; 15:13

Now the stay of the sons of Israel and their fathers who stayed in the land of Canaan and in the land of Egypt was four hundred and thirty years. And it came to pass at the end of four hundred and thirty years – on the very day – it came to pass that all the armies of יהוה went out from the land of Egypt.

Exodus 12:40-41 SP

Now the stay of the sons of Israel who stayed in Egypt was four hundred and thirty years. And it came to pass at the end of four hundred and thirty years – on the very day – it came to pass that all the armies of יהוה went out from the land of Egypt.

Exodus 12:40-41 MT

Now to Abraham and his seed were the promises made. He does not say, “And to seeds,” as though to many, but as to one, “And to your Seed,” who is Messiah. And I say this, the *Torah*, having come four hundred and thirty years later, does not revoke a covenant previously ratified by *Elohim*, so as to nullify the promise.

Galatians 3:16-17

Jacob lived in the land of Egypt seventeen years.

Genesis 47:28

A comparison of Exodus 12:40-41 in the Masoretic Text and Galatians 3:16-17 reveals a glaring discrepancy. On the one hand, the sons of Israel stayed in Egypt four hundred and thirty years; on the other hand, the entire period from the giving of the promises to Abram to the giving of the *Torah* at the Exodus was four hundred and thirty years. It should be obvious that both statements cannot be correct. There is no contradiction with the Samaritan Pentateuch. Four hundred and thirty years elapsed between the giving of the promises to Abram and the Exodus, as Paul also said. The SP has the correct reading.

When laid out in a linear fashion it becomes apparent that Abram set out for Canaan two hundred and sixteen years before Israel entered the land of Egypt. Israel was in Egypt two hundred and fourteen years. Paul’s understanding reflects this perspective. He evidently had as his source a Hebrew manuscript that, if not the “Samaritan” *Torah*, was at least in keeping with its content at Exodus 12:40-41.

Jacob was one hundred and thirty years old when he stood before Pharaoh. He lived in Egypt seventeen years and died at the age of one hundred and forty-seven. When that information is plotted in a linear fashion the numbers make us scratch our heads. We have to assign Jacob’s time in Egypt a “zero” year to make those numbers work. The “zero” year is consistent with birth reckoning and “ascension-year reckoning” in numbering the years of a king’s reign,¹⁵ but Jacob wasn’t a king... or was he? With Joseph and his brothers reconciled and back together, could it be that Jacob was truly the first actual “king” of sorts over a united Israel? Or perhaps his coming to Egypt to be reunited with Joseph was a “re-birth” for him?

Israel Leaves Egypt – (3103 CR | 1493 BCE)

The year of the Exodus was determined by working backwards from the known date of the Babylonian captivity. Four steps were involved:

1. The Babylonian captivity (587 BCE) minus the 390 years of Ezekiel 4:5 brings us to 977 BCE and the divided kingdom.
2. The divided kingdom (977 BCE) minus Solomon’s 40-year reign brings us to 1017 BCE and Solomon’s 1st year.
3. Solomon’s 4th year was therefore 1014 BCE.
4. Solomon’s 4th year (1014 BCE) minus 480 years and we arrive at 1493 BCE for the year of the Exodus.¹⁶

¹⁵ See pages 22 ff.

¹⁶ For a discussion on the identity of the Exodus Pharaoh see my white paper, “The Pharaoh of the Exodus and the Egyptian calendar.”

Times and Appointed Times

Now the stay of the sons of Israel and their fathers who stayed in land of Canaan and in the land of Egypt was four hundred and thirty years. And it came to pass at the end of four hundred and thirty years – on the very day – it came to pass that all the armies of יהוה went out from the land of Egypt.

Exodus 12:40-41 SP

And they set out from Rameses in the first month, on the fifteenth day of the first month; on the day after the Passover מִּמּוֹחֹרַת הַפֶּסַח (*MiMochorat HaPesach*) the sons of Israel went out victorious in the sight of all the Egyptians.

Numbers 33:3

Israel left Egypt for the land of Canaan on the 15th of *Nisan*. It was after a four-hundred-and-thirty-year sojourn, to the day. Abram, therefore, must have received the promises and left for the land of Canaan on the 15th of *Nisan* as well. Below are the layouts of the months of the Exodus and Abram’s departure.

Israel Leaves Egypt

Moon definitely visible to naked eye on 4/19/1493 BCE

Nisan 1 = April 20, 1493 BCE

Hebrew Dates 3103							
<i>Adar</i>	25	26	27	28	29	30	
	1	2	3	4	5	6	שבת
<i>Nisan</i>							1
	2	3	4	5	6	7	8
	9	10	11	12	13	פ	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29

Julian Dates 1493 BCE							
14	15	16	17	18	19		apr
	1	2	3	4	5	6	שבת
							20
21	22	23	24	25	26	27	
28	29	30	1	2	פ	4	may
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	

Abram Leaves Haran

Moon might be visible to naked eye on 5/2/1923 BCE

Nisan 1 = May 3, 1923 BCE

Hebrew Dates 2673							
<i>Adar 2</i>	24	25	26	27	28	29	
	1	2	3	4	5	6	שבת
<i>Nisan</i>							1
	2	3	4	5	6	7	8
	9	10	11	12	13	פ	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30						

Julian Dates 1923 BCE							
27	28	29	30	1	2		apr may
	1	2	3	4	5	6	שבת
							3
4	5	6	7	8	9	10	
11	12	13	14	15	פ	17	
18	19	20	21	22	23	24	
25	26	27	28	29	30	31	
1							jun

If the moon was indeed visible to the naked eye on the night of May 2, 1923 BCE, the month of Abram’s departure from Haran and the month of Israel’s departure from

Egypt mirror each other precisely. Since Moses says, “on the very day” (בְּעֶצֶם הַיּוֹם הַזֶּה), when comparing the two, I’m of the opinion that the months did indeed mirror each other.

Joshua’s Passover (3143 CR | 1453 BCE)

And they set out from Rameses in the first month, on the fifteenth day of the first month; on the day after the Passover מִמָּחֳרַת הַפֶּסַח (*MiMochorat HaPesach*) the sons of Israel went out victorious in the sight of all the Egyptians.

Numbers 33:3

And the sons of Israel camped at Gilgal, and they did Passover on the fourteenth day of the month in the evening on the plains of Jericho. And they ate of the produce of the land the day after the Passover מִמָּחֳרַת הַפֶּסַח (*MiMochorat HaPesach*), unleavened bread and parched grain, on the very day.

Joshua 5:10-11

Speak to the sons of Israel, and say to them: “When you come into the land which I am giving you, and reap its harvest, then you shall bring a sheaf, the firstfruits of your harvest, to the priest. And he shall wave the sheaf before יהוה, for your acceptance; the day after the Sabbath the priest shall wave it... Neither bread nor roasted grain nor fresh grain shall you eat until this very day, until you have brought the offering of your *Elohim*; it is an eternal law throughout your generations wherever you dwell... And you shall count for yourselves from the day after the Sabbath, from the day you bring the sheaf of the wave offering: there are to be seven complete Sabbaths. To the day after the seventh Sabbath, you shall count fifty days...”

Leviticus 23:10-11, 14-16

At the end of a forty-year tour of the Arabian Desert, Joshua led all Israel in a Passover in preparation for entering the land of promise. We read that they ate from the produce of the land the day after the Passover. They had been instructed not to eat from it until the firstfruits offering was made, so it must have been made earlier in the day. They had been instructed to make that offering the day after the Sabbath, but which Sabbath, the Sabbath of the first day of Unleavened Bread or the weekly Sabbath? The answer is in two parts.

The first part is found in the form of an equation: “If $A = B$ and $B = C$ then $A = C$.” Each of the above passages contributes part of the solution. Let’s take it step by step.

1. Numbers 33 – *Nisan* 15 is the day after the Passover.
2. Joshua 5 – All Israel ate of the produce of the land the day after the Passover.
3. Leviticus 23 – The new produce of the land is not to be eaten until the day after the Sabbath when the firstfruits offering is made.
4. Therefore – *Nisan* 15 was both the day after the Passover and the day after the Sabbath the year of Joshua’s Passover.

This means that since the Sabbath of the first day of Unleavened Bread is always the fifteenth of *Nisan*, it cannot be the Sabbath referred to in Leviticus 23:14-15. This “Joshua Factor” compels us to understand “the day after the Sabbath,” in Leviticus 23:14-15 as the weekly Sabbath.

The second part is just a straightforward approach to the Leviticus 23:16 text. The fifty-day count ends with “the day after the seventh Sabbath.” This is the weekly Sabbath. It therefore cannot start anywhere but on a day after a weekly Sabbath.

The astronomical data for the year of Joshua’s Passover confirms this conclusion. The year 1453 BCE is a year in which the fifteenth of *Nisan* is both the day after the Sabbath and the day after the Passover. There are no other years in the immediate vicinity of 1453 BCE in which this important criterion can be successfully met.

Moon definitely visible to naked eye on 4/26/1453 BCE

Nisan 1 = April 27, 1453 BCE

Hebrew Dates 3143							
<i>Adar</i>	24	25	26	27	28	29	30
	1	2	3	4	5	6	שבת
<i>Nisan</i>	1	2	3	4	5	6	7
	8	9	10	11	12	13	שבת
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30					

Julian Dates 1453 BCE							
20	21	22	23	24	25	26	apr
1	2	3	4	5	6	7	שבת
27	28	29	30	1	2	3	may
4	5	6	7	8	9	10	שבת
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26						

The count to *Shavu’ot* begins the day after the Sabbath of Passover week. *Shavu’ot* must be both fifty days and seven Sabbaths after the Sabbath within the week of Unleavened Bread.¹⁷ In 1453 BCE, the count began on the High Sabbath of the first day of Unleavened Bread. It was the day after the Passover, the day after the Sabbath, and the fifteenth of *Nisan*. It ended with day fifty on the fifth of *Sivan*. Following is the layout for the count to *Shavu’ot*. The light blue areas are the number of days. The darker blue areas are the completed weeks.

1 - <i>Nisan</i> 3143 4/27 – 5/26 1453 BCE						
1	2	3	4	5	6	ש
1	2	3	4	5	6	7
8	9	10	11	12	13	שבת
1	2	3	4	5	6	1
8	9	10	11	12	13	2
15	16					

2 - <i>Ziv</i> 3143 5/26 – 6/24 1453 BCE						
		17	18	19	20	3
22	23	24	25	26	27	4
29	30	31	32	33	34	5
36	37	38	39	40	41	6
43	44	45				

3 - <i>Sivan</i> 3143 6/25 – 7/24 1453 BCE						
1	2	3	4	5	6	ש
1	2	3	4	5	6	7
50	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Solomon’s 4th Year (3582 CR | 1014 BCE)

And it came to pass in the four hundred and eightieth year of the Exodus of the sons of Israel from the land of Egypt, in the fourth year of Solomon’s reign over Israel, in the month of *Ziv*, which is the second month, that he began to build the house of יהוה... And the days that Solomon reigned in Jerusalem over all Israel were forty years.

1 Kings 6:1; 11:42 MT

¹⁷ Herein lies the trouble with the so-called “Lunar Sabbath.” One can never make the numbers work. The dual criteria of fifty days and seven Sabbaths can never be met. This disqualifies the entire scheme from consideration as a legitimate approach to the issue. This is my brief but thorough evaluation of the “Lunar Sabbath” position.

And it came to pass in the four hundred and fortieth year after the departure of the children of Israel out of Egypt, in the fourth year and second month of the reign of king Solomon over Israel, that the king commanded that they should take great and costly stones for the foundation of the house, and hewn stones...

1 Kings 6:1 LXX

The Septuagint's "four hundred and forty-years" is untenable and makes for an unworkable timeline. It puts a good hip out of joint. Four hundred and eighty years is the number that works with the Biblical data. We need but to line up Solomon's fourth year as king with the four hundred and eightieth year of the Exodus. The end of his forty-year rule brings us to the time when the united Hebrew nation split into the northern kingdom of Israel (The House of Israel) and the southern kingdom of Judah (The House of Judah).

Divided Kingdom (3619 CR | 977 BCE)

In the books of 1 & 2 Kings we are given the chronologies of the kings of Israel and Judah (1 Kings 11:42–2 Kings 25:9; Jeremiah 52:12). In the book of Ezekiel we are told that 390-year period of time comes to an end with the siege of Jerusalem and the deportation to Babylon (Ezekiel 1: 1-3; 4:5).

In plotting the data, it is important to realize that there were two different methods employed for designating the years of a king's reign. It helps to understand this in order to make sense of the data. The first is called "ascension year reckoning." The year a king came to power was known as his ascension year. Like birth years, his first year was reckoned from the following *Nisan*. Ascension years on the timeline are designated by a "zero" (0) year. The other method of numbering the years of a king's reign is called "non-ascension year reckoning." According to this method, the year in which a king began to reign was considered his first year, even if it was only part of a year. For the most part, the chronologies of the kings of Israel and Judah exhibit non-ascension year reckoning. There are places, however, where it is necessary to reconcile the data and align the reigns of the kings with a "zero" (0) year.

First Olympiad (3817 CR | 779 BCE)

Founding of Rome (3839 CR | 756 BCE)

The Roman and Greek months have now little or no agreement; they say, however, the day on which Romulus began to build was quite certainly the thirtieth of the month, at which time there was an eclipse of the sun which they conceived to be that seen by Antimachus, the Teian poet, in the third year of the sixth Olympiad.¹⁸

According to Plutarch, the day Romulus began to build Rome was noted as having been the thirtieth day of the lunar cycle in the third year of the sixth Olympiad. This event is traditionally placed at 753 BCE. That translates to -752 astronomical, an impossible date, as there were no solar eclipses visible from Rome that year. In proximity to 753 BCE, the

¹⁸ John Dryden, "Plutarch: Romulus," *The Internet Classics Archive*, accessed Oct. 23, 2011, <http://classics.mit.edu/Plutarch/romulus.html>.

only year in which an eclipse occurred on the thirtieth day of a lunar month was 756 BCE (-755). The eclipse occurred on January 31. Below is the data from NASA:

Start of partial eclipse (C1):	-755/01/31	06:18:06.0
Start of total eclipse (C2):	-755/01/31	07:51:11.2
Maximum eclipse:	-755/01/31	07:53:49.6
End of total eclipse (C3):	-755/01/31	07:56:28.1
End of partial eclipse (C4):	-755/01/31	09:28:57.6 ¹⁹

Working back from the third year of the sixth Olympiad we come to 779 BCE. This, then, is the beginning of Olympiad reckoning. The only other eclipses which occurred on the thirtieth day of a lunar cycle which were anywhere close to the one in 756 BCE were in 775 BCE and 724 BCE (-774 and -723). These are not close enough to the traditional date to be considered.

Hezekiah's 14th Year (3885 CR | 711 BCE)

It came to pass in the fourteenth year of King Hezekiah (Sennacherib king of Assyria having come up against all the fortified cities of Judah and taken them), that the king of Assyria sent Rabshakeh with a massive army from Lachish to King Hezekiah at Jerusalem...

Isaiah 36:1-2

Now in the fourteenth year of King Hezekiah, Sennacherib king of Assyria came up against all the fortified cities of Judah and seized them. And the king of Assyria sent Rabshakeh from Lachish to Jerusalem to King Hezekiah with a large army...

Isaiah 36:1-2 NASB

This is the sign for you: Eat **this year** what grows of itself, and in the **second year** what springs from the same; and in the **third-year** sow and reap, plant vineyards and eat their fruit... Therefore, thus says יהוה to the king of Assyria: "He shall not come to this city, nor will he shoot an arrow there, nor shall he come before it with shield or build a siege mound against it... And the angel of יהוה went out and struck in the camp of Assyria one hundred and eighty-five thousand; and when men got up early in the morning, behold, there were all the dead bodies.

Isaiah 37:30, 33-36

And the word of יהוה sent the angel Gabriel and destroyed (them) on the night of the Passover.

Targum 2 Chronicles 32:21

Our English translations of Isaiah 36:1-2 and 2 Kings 18:13 make it sound like Sennacherib came up against all the fortified cities of Judah and took them in the fourteenth year of Hezekiah. The Hebrew text communicates something different. It conveys the thought that when the fourteenth year of King Hezekiah came, the cities of Judah had already been captured. I do not wish to bore the reader with fine points of Hebrew grammar at this juncture, so I will keep this as simple as I can: the sense of the Hebrew "perfect"

¹⁹ Fred Espenak, and Robert Candey, "Total Solar Eclipse of -755 January 31," NASA Eclipse Web Site, last modified Sept. 15, 2009, <http://eclipse.gsfc.nasa.gov/SEsearch/SEsearchmap.php?Ecl=-07550131>.

tense is sometimes best conveyed by the English “pluperfect.” Here is what Gesenius has to say on the use of the perfect:

(c) To represent actions, &c., which were already completed in the past, at the time when other actions or conditions took place (pluperfect),¹ e.g. I S 28³ *now Samuel was (long since) dead* ²... *and Saul had put away (הָסִיר) those that had familiar spirits... out of the land.*²⁰

Other biblical texts cited in the same section as examples of the Hebrew perfect denoting an English pluperfect are: Gen. 2:2 & 5; 7:9; 19:27; 20:18; 24:15; 27:30; 1 Sam. 9:15; 25:21; and 2 Sam. 18:18.²¹ The NKJV translation of these verses reflects this perspective.

The focal point of chapters 36 through 38 of Isaiah is the deliverance of Jerusalem. The Targum of 2 Chronicles puts it at the beginning of the year, on the night of the Passover. Hezekiah’s fourteenth year is relevant to that deliverance precisely because it is the year of that deliverance. Isaiah 37:30 identifies it as the forty-ninth year of the Sabbatical cycle, followed by a Jubilee.

This bit of information provides us with a very important key to unlocking an accurate chronology and probably the single most significant influence on its layout. It would seem that the Sabbatical/Jubilee cycle remained unchanged from its inception until at least the fall of the Second Temple. Since it is consistent and unchanging, once we recognize it in Hezekiah’s fourteenth year, we have but to apply it to the rest of the timeline. Once plotted, it becomes a major determining factor in putting together an accurate chronology.

In Isaiah 37:30 three years are mentioned. “This year” corresponds to the 49th year of the Sabbatical cycle. The “second year” is the Jubilee. The “third year” is the year after the Jubilee when sowing and reaping can again commence. They appear to be successive years. And so, if we only had this text to guide us, it would be logical to conclude that the Sabbatical/Jubilee cycle was a fifty-year cycle. However, it is not. The evidence from Josephus and Maccabees (when laid out in a linear fashion) is that the Sabbatical/Jubilee cycle repeats every forty-nine years. It can only be, then, that the Jubilee is both year fifty (the end of the cycle) and year one (the beginning of the cycle).

The Jubilee changes a regular work year into a Special Sabbath Year in much the same way that *Shavu’ot* changes a regular work day into a Special Sabbath Day. The Jubilee occurs on what would normally be a regular work year, the first year of seven in the count. *Shavu’ot* occurs on what would normally be a regular work day, the first day of seven in the count. If Yeshua is indeed the First and the Last, the Beginning and the End,²² the ultimate fulfilment of the Jubilee, is it unseemly that the shadow, like its substance, would be as well?

²⁰ William Gesenius, *Hebrew Grammar*, trans. E. Kautzsch, (Oxford: Oxford University Press, 1983), pp. 310-311, § f.

²¹ *Ibid.*

²² Revelation 22:13

Destruction of Solomon's Temple (4009 CR | 587 BCE)

And Jehoiachin king of Judah went out to the king of Babylon... and the king of Babylon took him in the eighth year of his reign.
2 Kings 24:8, 12

At the turn of the year King Nebuchadnezzar sent and took him to Babylon...
2 Chronicles 36:10

In the seventh year, the month of Kislev, the king of Akkad mustered his troops, marched to the Hatti-land, and encamped against (i.e. besieged) the city of Judah and on the second day of the month of Adar he seized the city and captured the king. He appointed there a king of his own choice (lit. heart), received its heavy tribute and sent (them) to Babylon.²³
Babylonian Chronicle

Now in the fifth month, on the tenth of the month (it was the nineteenth year of King Nebuchadnezzar king of Babylon), Nebuzaradan, the captain of the guard, who served the king of Babylon, came to Jerusalem. He burned the house of יהוה, the king's house, and all the houses of Jerusalem; all the great houses he burned with fire.
Jeremiah 52:12-13

... it was the ninth of *Av*, the day after the Sabbath, and the year after the Sabbatical year...
Taanit 3:3

A certain Babylonian astronomical diary (VAT 4956) from Nebuchadnezzar's thirty-seventh year (Babylonian ascension year reckoning) has been solidly dated to 568–567 BCE.²⁴ This gives us enough information to work out the years of Nebuchadnezzar's reign and the date of the Babylonian captivity.

Right away we become aware of an apparent discrepancy in the data. The year of Jehoiachin's capture by the king of Babylon, according to the Babylonians, was Nebuchadnezzar's seventh year in the month of *Adar*. According to the account given in the *Tanakh*, it was his eighth year at the turn of the year. Well, at least the turn of the year and *Adar* correlate, right? Actually, it all correlates. The easiest solution to the seeming disagreement between the Babylonian and biblical accounts of Jehoiachin's capture is to recognize the two different methods of reckoning the years of a king's reign. If the account in the *Tanakh* is typically non-ascension year reckoning while the Babylonian account is ascension year reckoning, we have no incongruity. The seventh year of Nebuchadnezzar according to Babylonian reckoning would indeed be his eighth year according to Hebrew reckoning.

Likewise, then, his nineteenth Hebrew year was his eighteenth Babylonian year. Working back from 568 BCE and his thirty-seventh Babylonian year, his eighteenth was 587 BCE. Below is the layout of the month of *Av*, 4009 CR | 587 BCE. The Talmud erroneously ascribes the burning of Solomon's temple to the ninth of the month. The

²³ Zdravko Stefanovic, *Daniel: Wisdom to the Wise: Commentary on the Book of Daniel* (Nampa: Pacific Press Publishing, 2007), p. 148.

²⁴ Carl Olof Jonsson, "A Critical Review of Rolf Furuli's 2nd Volume on Chronology – Part I: The Astronomical 'Diary' VAT 4956," accessed June 9, 2020, <http://kristenfrihet.se/kf2/review.htm>.

Tanakh gives the tenth as the date. Even though the ninth of the fifth month does follow the Sabbath that year, it is impossible for that year to have followed a Sabbatical year.

Moon might be visible to naked eye on 8/18/587 BCE

Av 1 = August 19, 587 BCE

Hebrew Dates 4009							
Tammuz	24	25	26	27	28	29	
	1	2	3	4	5	6	שבת
Av							1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30						

Julian Dates 587 BCE							
13	14	15	16	17	18		aug
	1	2	3	4	5	6	שבת
							19
20	21	22	23	24	25	26	
27	28	29	30	31	1	2	sep
3	4	5	6	7	8	9	
10	11	12	13	14	15	16	
17							

There is another question we need to answer to confirm this date for the destruction of the Temple: when did Jehoiachin’s exile begin? This is important because Ezekiel gives us data for the fifth year of Jehoiachin’s exile which necessities that year being an intercalated year. Joshua Williams has aptly commented on this section of Scripture.

There is no direct reference to the 13th month in the Bible, but the effect of it does seem to be found in the first part of Ezekiel. A quick summary of events runs like this:

Ezekiel's 13-Month Year

Ezekiel gets his initial revelation on the 5th day of the 4th month of the 5th year of the captivity. (Ezekiel 1:1-2)

He spends 7 days astonished and then gets a new revelation from God. (Ezekiel 3:15-16)

The new revelation includes instructions for Ezekiel to lie 390 days on his left side and 40 days on his right side. (Ezekiel 4:5-6)

On the 5th day of the 6th month in the 6th year, Ezekiel is sitting in his house again. (Ezekiel 8:1)

So, between Ezekiel 1:1 and 8:1 we have 437 days passing. However, given a year of 12 lunar months, or even a 365-day solar year, there simply aren’t enough days available between the dates. The first gives us 414 days and the second 426. Neither of those works, but if you add a 13th lunar month there are 443 days available! This means that only a calendar that sometimes contains a 13th month can give enough time for all of the events to happen between those dates.²⁵

Jehoiachin was captured at the beginning of the last month of the year – *Adar*, but was that the beginning of his exile? I don’t believe so. The Hebrew word for “exile” in this text is גלות.

²⁵ Joshua Williams, “The Biblical Calendar | Daring Theology,” accessed June 12, 2020, <http://daringtheology.com/biblical-calendar>.

גלות ... (1) a carrying away, exile... (2) collect. those who are carried away, exiles.²⁶

Was Jehoiachin carried away the same month he was captured? It seems unlikely to me. If we postulate that he was not actually removed from his country until the next month or sometime the following year, then the fifth year of his exile corresponds with 4003 CR | 593 BCE which would indeed have been an intercalated year according to the Hebrews.²⁷ These things dove-tail nicely to verify 587 BCE as the date for the destruction of Solomon's Temple.

Decree to Restore and Build Jerusalem (4138 CR | 458 BCE) Artaxerxes' 20th Year (4151 CR | 445 BCE)

Artaxerxes' twentieth year has a significant bearing on the subject of the Daniel chapter nine prophecy. The book of Nehemiah opens "in the month of *Kislev*, year twenty..." (1:1) and proceeds to a point in time five months later "in the month of *Nisan*, year twenty of King Artaxerxes..." (2:1). It should occur to us first of all, that these two phrases cannot possibly refer to the same year. The Persians, like the Hebrews and Babylonians, reckoned their years from *Nisan* to *Nisan*. That being the case, "the month of *Kislev*, year twenty," must refer to the year preceding "the month of *Nisan*, year twenty of King Artaxerxes." To what then does "year twenty" refer? Let's start with the determination of Artaxerxes' ascension year. It is solidly assigned to 465 BCE, the year his father, Xerxes, was murdered by Artabanus. It has been astronomically established beyond any reasonable doubt.

The late Babylonian astronomical texts occasionally mention major historical events, as, for example, the dates when Xerxes and Alexander the Great died. To illustrate the potential of this material for chronological purposes, the date of the death of Xerxes may be accurately fixed by reference to eclipses. On a tablet that lists lunar eclipses at 18-year intervals occurs the following brief announcement between two eclipse records: "Month 5, day 14 [?], Xerxes was murdered by his son." Unfortunately, the cuneiform sign for the day of the month is damaged, and a viable reading could be anything from 14 to 18. The year is missing, but it can be deduced from the 18-year sequence as 465 B.C. This identification is confirmed by calculating the dates of the two eclipses stated to have occurred in the same year that Xerxes died. The first of these happened when the Moon was in the constellation of Sagittarius, while the second took place on the fourteenth day of the eighth lunar month. For many years both before and after 465 B.C., no such combination of eclipses can be found; it occurs only in 465 B.C. itself. The dates deduced for the two eclipses are June 5 and November 30 of that year. Mention of an intercalary sixth month on the same tablet enables the date of the death of Xerxes to be fixed as sometime between August 4 and 8 in 465 B.C.²⁸

Artaxerxes' twentieth year was, accordingly, 445-444 BCE. It happens to have been a Sabbatical year, the twenty-first year of the Sabbatical/Jubilee cycle. Being a multiple of

²⁶ Gesenius, *Lexicon*, p. 171.

²⁷ The layout of Ezekiel's months can be found in Appendix 4 – Fifth Year of Jehoiachin's Exile.

²⁸ "eclipse," *Encyclopædia Britannica Online*, accessed Oct. 23, 2011, <http://www.britannica.com/EBchecked/topic/178098/eclipse/11224/Uses-of-eclipses-for-chronological-purposes>.

seven, it was a year in which the *Torah* was to be read publicly in Jerusalem (Deuteronomy 31:10-12). Is it purely coincidental that we find this happening later that year in the eighth chapter of Nehemiah (vss. 14-18)? I think not. It is simply confirmation that Artaxerxes' twentieth year was indeed a Sabbatical year. The phrase, "The month of *Kislev*, year twenty," in Nehemiah 1:1 can thus quite naturally be understood as the previous year and a reference to this cycle, can it not? It was the nineteenth year of Artaxerxes. Hezekiah's fourteenth year and Artaxerxes' twentieth are now both anchor points in the chronology. They evidence the ongoing Sabbatical/Jubilee cycle for us and give us a secure framework for establishing important dates down the line. The two hundred and sixty-six years between them (as a multiple of seven) reveals that the fiftieth Jubilee year was indeed also year one. This then brings us to the place where we can examine Daniel's prophecy and the decree King Artaxerxes issued in fulfillment of it.

So you are to know and understand, that from the going forth of the word to restore (לְקַשֵּׁב) and to build (לְבַנוֹת) Jerusalem until Messiah the Prince (מְשִׁיחַ נְגִיד), there shall be seven weeks (שִׁבְעָתַיִם *Shavu'im*) and sixty-two weeks (שִׁבְעָתַיִם *Shavu'im*). It shall be built again, street and wall, even in troublesome times. And after the sixty-two weeks (שִׁבְעָתַיִם *Shavu'im*) Messiah (מְשִׁיחַ) shall be cut off, and have nothing; and the people of the coming prince shall destroy the city and the sanctuary...

Daniel 9:25-26

This passage contains the clearest statement given in the pages of Scripture as to the time of Messiah's coming. There are two years usually chosen for the issuing of this decree. The first is the twentieth of Artaxerxes in 445 BCE. The other is the seventh of Artaxerxes in 458 BCE.

The Hebrew word for a week of seven days or a week of seven years is שִׁבְעָתַיִם *Shavua*. The seven-day week begins with a workday and ends with a שַׁבָּת *Shabbat* (Sabbath). The land's rest on the seventh year is referred to in Leviticus 25 as a שַׁבָּת *Shabbat* (Sabbath) as well. A Hebrew thought process, therefore, understands a seven-year week to likewise begin with a regular year and end with a Sabbath year.

The twentieth year of Artaxerxes (445 BCE) is the wrong place to begin the count to Messiah for two reasons. First, it is a Sabbatical year and quite simply the wrong place to begin a week. Secondly, the ending point would be 38 CE, which is far too late by anyone's reckoning to be viable. His seventh year (458 BCE), however, is indeed the year after a *Sh'mitah* (Sabbatical year) and the beginning of a new week of years. It is the only place to begin the count of sixty-nine weeks (*Shavu'im*) to Messiah. If we view the prophecy of the restoration and rebuilding of Jerusalem in a purely physical sense, we are apt to miss the real significance of Artaxerxes' decree as recorded in the seventh chapter of the book of Ezra. Yes, it included a physical restoration, but it goes much deeper than that.

Artaxerxes, king of kings, to Ezra the priest, the scribe of the law of the God of heaven... I have issued a decree that any of the people of Israel and their priests and the Levites in my kingdom who are willing to go to Jerusalem, may go with you. Forasmuch as you are sent by the king and his seven counselors to inquire concerning Judah and Jerusalem according to the law of your God which is in your hand... I, even I, King Artaxerxes, issue a decree to all the treasurers who are *in the provinces* beyond the River, that whatever Ezra

the priest, the scribe of the law of the God of heaven, may require of you, it shall be done diligently... You, Ezra, according to the wisdom of your God which is in your hand, appoint magistrates and judges that they may judge all the people who are in *the province* beyond the River, *even* all those who know the laws of your God; and you may teach anyone who is ignorant *of them*. Whoever will not observe the law of your God and the law of the king, let judgment be executed upon him strictly, whether for death or for banishment or for confiscation of goods or for imprisonment.

Ezra 7:12-14, 21, 25-26 NASB

This section of the Scriptures was written in Aramaic. The word for “law” is therefore not *Torah* תּוֹרָה; it is *dat* דָּת. However, it is prefaced with, “Ezra had prepared his heart to seek the *Torah* (תּוֹרָה) of יהוה and to do it, and to teach law and ordinance in Israel” (Ezra 7:10). It is, therefore, appropriate to understand the “law (*dat* דָּת) of God” in the passages quoted above as references to *Torah*.

It is common knowledge that Jerusalem was destroyed because the *Torah* was not kept (Jer. 9:13; 16:11). Can it be that she should be built again without a restoration to *Torah*? The foundation is *Torah*. With it, Jerusalem is built; without it, Jerusalem is destroyed. “To restore” (לְהַשִּׁיב) literally means “to make to return.” This goes deeper in meaning than simply restoring her physical walls and buildings. It goes to the heart of what it is that makes the physical restoration possible, which is namely a restoration of the heart of Israel to the *Elohim* of Israel, manifested by a return to the *Torah* of the *Elohim* of Israel. This is at the heart of Artaxerxes’ decree in the seventh year of his reign. It fits perfectly with the Sabbatical cycle and the spiritual side of building and restoration which is the core of the physical restoration.

From verses 25 and 26, consider again the king’s decree and its scope. Ezra was to appoint magistrates and judges who would judge all the people who were beyond the River. Those who did not know the Law were to be taught. Those who were not inclined to observe *Torah* were to be judged speedily. Certainly, this decree applied to Jerusalem and Israel, but it reached far beyond her borders. In essence, it established *Torah* over the entire realm of the Persian Empire.

The seventh year of Artaxerxes is the only place to start the count of the sixty-nine weeks to Messiah. This decree restored and built Jerusalem by establishing her prominence as the place from where *Torah* would go out to the whole world. It is the beginning point of Daniel’s prophecy which culminates with the coming of Messiah, who will one day also establish her prominence as the place from where *Torah* goes out to the whole world (Isaiah 2:1-3). The termination of the sixty-nine weeks brings us to Sabbatical year 49 (4620 CR | 25 CE) and the thirtieth Jubilee (4621 CR | 26 CE).

Beginning of the Seleucid Era (4282 CR | 314 BCE)

Most chronologists assign the beginning of the Seleucid era to 312 BCE, the year Seleucus conquered Babylon. A correlation between the Sabbatical cycle and the events described in Josephus and the first book of the Maccabees, however, makes it necessary to consider a different date.

Several of the events described there are very instructive in three distinct ways. First, they reflect with uncanny clarity the fact that the Hebrew year in general and the Sabbatical year in particular still started in the month of *Nisan* during the days of the

Second Temple. Second, they verify 779 BCE as the date of the beginning of the Olympiads. Third, they give us an objective starting date of 314 BCE for the start of the Seleucid dating scheme.

From the books of Josephus and Maccabees, I wish to demonstrate this perfect synchronism of Sabbatical years, Seleucid years, and Olympiads. Following are the pertinent sections of the timeline for the most prominent events relevant to this chronology.

Temple Defiled (4426 CR | 170 BCE)

Hanukkah (4429 CR | 167 BCE)

Jerusalem Besieged (4431 CR | 165 BCE)

The following texts are self-explanatory. We need only to plot the data and see how it all lines up.

Now it came to pass, after two years, in the one hundred and forty-fifth year, on the twenty-fifth day of that month which is by us called Kislev, and by the Macedonians Apelleus, in the one hundred and fifty-third Olympiad, that the king came up to Jerusalem, and, pretending peace, he got possession of the city by treachery.

Antiquities 12:5:4; 1 Maccabees 1:54

... it was dedicated anew, on the same day, the twenty-fifth of the month Apeliens, on the one hundred and forty-eighth year, and on the one hundred and fifty-fourth Olympiad.

Antiquities 12:7:6; 1 Maccabees 4:52-53

They assembled and laid siege to the Citadel in the year one hundred and fifty... the land was enjoying a Sabbatical year.

1 Maccabees 6:20, 49

Ptolemy Murders Simon (4458 CR | 138 BCE)

We are going to spend some time looking at the circumstances surrounding this event. Getting a handle on the big picture gives us a focused look at when the Hebrew year started at this point in history. Following is an outline of the events and the record of those events in the writings of Josephus and the book of First Maccabees. The scenario indicates a spring-to-spring year.

1. Ptolemy kills Simon the high priest and two of his sons at a banquet in the year one hundred and seventy-seven, in the eleventh month, the month of *Sh'vat*.
2. Ptolemy takes Simon's wife and two of his sons hostage and tries to have a third son, John Hyrcanus, murdered.
3. Hyrcanus escapes to Jerusalem (seventeen miles away).
4. Ptolemy tries to come to Jerusalem and is repulsed.
5. Ptolemy retires to the small fortress of Dagon above Jericho.
6. Hyrcanus leads an expedition against Ptolemy and lays siege to the fortress.
7. Ptolemy tortures John's mother and brothers on the wall for all to see.
8. John Hyrcanus withdraws from the siege because of the arrival of the Sabbatical year.

Ptolemy, son of Abubus, had been appointed military commissioner for the plain of Jericho; he owned much silver and gold, and was the high priest's son-in-law. His ambition was fired; he hoped to make himself master of the whole country, and began to plot the ruin of Simon and his sons. Simon, who was inspecting the towns up and down the country and attending to their administration, had come down to Jericho with his sons Mattathias and Judas, in the year one hundred and seventy-seven, in the eleventh month, the month of Shebat. The son of Abubus lured them into a small fortress called Dok, which he had built, where he offered them a great banquet, having men concealed about the place. When Simon and his sons were drunk, Ptolemy leaped to his feet with his men, and, grasping their weapons, they rushed on Simon in the banqueting hall and killed him with his two sons and some of his servants. So he committed a great act of treachery, and rendered evil for good...

He sent other men to Gezer to murder John, and sent written orders to the military commanders to come to him so that he could present them with silver and gold and gifts; he also sent others to take possession of Jerusalem and the Temple hill. But someone had been too quick for him and had already informed John in Gezer that his father and brothers had perished, adding, "He is also sending people to kill you too!" Overcome as he was by the news, John arrested the men who had come to kill him and put them to death, since he already knew their murderous design.

1 Maccabees 16:11-23

Now he was the ruler of the Jews in all eight years; but at a feast came to his end. It was caused by the treachery of his son-in-law Ptolemy, who caught also his wife, and two of his sons, and kept them in bonds.

He also sent some to kill John the third son, whose name was Hyrcanus; but the young man perceiving them coming, he avoided the danger he was in from them, and made haste into the city [Jerusalem], as relying on the good-will of the multitude, because of the benefits they had received from his father, and because of the hatred the same multitude bare to Ptolemy; so that when Ptolemy was endeavoring to enter the city by another gate, they drove him away, as having already admitted Hyrcanus.

So Ptolemy retired to one of the fortresses that was above Jericho, which was called Dagon. But Hyrcanus having taken the high priesthood that had been his father's before, and in the first place propitiated God by sacrifices, he then made an expedition against Ptolemy; and when he made his attacks upon the place, in other points he was too hard for him, but was rendered weaker than he, by the commiseration he had for his mother and brethren, and by that only; for Ptolemy brought them upon the wall, and tormented them in the sight of all, and threatened that he would throw them down headlong, unless Hyrcanus would leave off the siege. And as he thought that so far as he relaxed as to the siege and taking of the place, so much favor did he show to those that were dearest to him by preventing their misery, his zeal about it was cooled. However, his mother spread out her hands, and begged of him that he would not grow remiss on her account, but indulge his indignation so much the more, and that he would do his utmost to take the place quickly, in order to get their enemy under his power, and then to avenge upon him what he had done to those that were dearest to himself; for that death would be to her sweet, though with torment, if that enemy of theirs might but be brought to punishment for his wicked dealings to them. Now when his mother said so, he resolved to take the fortress immediately; but when he saw her beaten, and torn to pieces, his courage failed him, and he could not but sympathize with what his mother suffered, and was thereby overcome.

And as the siege was drawn out into length by this means, that year on which the Jews used to rest came on; for the Jews observe this rest every seventh year, as they do every seventh day; so that Ptolemy being for this cause released from the war, he slew the brethren of Hyrcanus, and his mother; and when he had so done, he fled to Zeno, who was called Cotylas, who was then the tyrant of the city Philadelphia.
Antiquities 13.7.4-13.8.1

It is my opinion that the parallel accounts of these events in Josephus and Maccabees make no sense against the backdrop of a fall-to-fall year. When read at face value, they indicate that the Sabbatical year still started in the spring at this period in history. I will end this section with a final quote which sums up the matter well.

These events occurred in the eleventh and twelfth months, i.e. Shebat and Adar, of the one hundred and seventy-seventh year, since they immediately followed Simon's murder in the eleventh month of that year (1 Macc 16:14). Abruptly Hyrcanus was forced to withdraw his troops because the Sabbath year was arriving (i.e., the one hundred and seventy-eighth year) ... It is extremely unlikely that anyone could have endured torture in this horrible manner for seven months, which would have been required if the Sabbath year had begun with Tishri (Sept./Oct.) instead of Nisan. Neither does it seem plausible that Hyrcanus would have been unable to take the small fortress at Dagon within that amount of time, especially under these circumstances. The evidence, therefore, clearly indicates that the Sabbath year at that time began with Nisan, which was only about a month or so away from the time that the siege began.²⁹

Pompey Takes Jerusalem (4531 CR | 65 BCE)

Herod Made King (4554 CR | 42 BCE)

Herod Takes Jerusalem (4557 CR | 39 BCE)

Josephus gives us the number of years from Pompey to Herod and from Herod to the destruction of the Second Temple. These dates are a necessary part of helping us line up the Olympiads with the Roman years and the Sabbatical/Jubilee cycle.

... the city was taken on the third month, on the day of the fast, upon the one hundred and seventy-ninth Olympiad.
Antiquities 14:4:3

Antony also feasted Herod the first day of his reign. And thus did this man receive the kingdom, having obtained it on the one hundredth and eighty-fourth Olympiad, when Caius Domithis Calvinus was the consul the second time, and Caius Asinius Pollio [the first time].
Antiquities 14:14:5

Now the Jews that were enclosed within the walls of the city fought against Herod with great alacrity and zeal... they persisted in this war to the very last... they were distressed by famine and the want of necessaries, for this happened to be a Sabbatic year... This destruction befell the city of Jerusalem when Marcus Agrippa and Caninius Gallus were consuls of Rome on the one hundredth and eighty-fifth Olympiad, on the third month, on

²⁹ Joseph Dumond, "The Truth That Chanukah Hides," *Sighted Moon*, Dec. 12, 2009, <http://www.sightedmoonnl.com>.

the solemnity of the fast, as if a periodical revolution of calamities had returned since that which befell the Jews under Pompey; for the Jews were taken by him on the same day, and this was after twenty-seven years' time.

Antiquities 14:16:2, 4; 15:1-2

Josephus... when counting Herod's years... calculated the year of his appointment in Rome for a certain occasion and made an error while doing so.³⁰

The layout of Olympiads, Sabbatical years and Seleucid years in Maccabees and Josephus leaves us no wiggle room. The one hundred and eighty-fourth Olympiad as the date for the beginning of Herod's reign just does not work with the other dates. It seems to be some sort of well-recognized error. We have no option but to reject it or speculate as to how it could fit in. Perhaps it represents an unofficial date. At any rate, it doesn't jive.

Herod Dies (4591 CR | 5 BCE)

Although Messiah's birth is next chronologically, it is first necessary to plot out Herod's chronology and the terminus of the 69th week of Daniel's prophecy. Working back from there we will determine Messiah's birth year.

Josephus tells us that Herod died sometime between an eclipse of the moon and an upcoming Passover (Antiquities 17.6.4.). The presence of this eclipse in the chronology significantly narrows down the year of his death. Even so, it is widely debated. From 7 BCE to 1 BCE, there are only four which lend themselves to the discussion. Taken from the NASA Eclipse website, following is a list of pertinent lunar eclipses for the period under consideration,³¹ followed by a brief outline of the Herod chronology as found in Josephus.

The Eclipses

7 BCE–None

6 BCE–None

5 BCE–March 23

Total lunar eclipse

One month to Passover

5 BCE–September 15

Total lunar eclipse

Seven months to Passover

4 BCE–March 13

Partial lunar eclipse

One month to Passover

3 BCE–None

2 BCE–None

1 BCE–January 10

Total lunar eclipse

Twelve weeks to Passover

³⁰ T. Baarda, W.C. Unnik, Albertus Frederik Johannes Klijn, *Miscellanea Neotestamentica* (E.J. Brill: Leiden, The Netherlands, 1978), p. 14.

³¹ Fred Espenak, and Robert Candey, "JavaScript Lunar Eclipse Explorer: Lunar Eclipses from -0099 to 0000, 'Jerusalem, ISRAEL'," NASA Eclipse Web Site, last modified May, 31, 2007, <http://eclipse.gsfc.nasa.gov/JLEX/JLEX-AS.html>.

The Herod Chronology

1. Herod conquers Jerusalem during a Sabbatical year in the 185th Olympiad.
(Antiquities 14.16.2-4; 15.1.2)
2. Herod sends to Rome for permission to execute Antipater.
(Antiquities 17.5.8; Wars 1.32.7)
3. Judas and Matthias pull down Herod's golden eagle from the temple.
(Antiquities 17.6.2-3; Wars 1.33.1-3)
4. Herod burns Judas and Matthias. An eclipse of the moon occurs that night.
(Antiquities 17.6.4; Wars 1.33.4)
5. Herod travels to Callirrhoe in response to his physicians' instructions.
(Antiquities 17.6.5; Wars 1.33.5)
6. Herod returns to Jericho and sends for all the elders of Israel, intending to execute them. When they come, they are imprisoned in the Hippodrome.
(Antiquities 17.6.5-6; Wars 1.33.6)
7. Herod obtains permission from Caesar to execute Antipater and does so.
(Antiquities 17.7.1; Wars 1.33.7)
8. Herod dies four days after Antipater is killed, having been king for thirty-four (thirty-seven) years.
(Antiquities 17.8.1; Wars 1.33.8)
9. The prisoners in the Hippodrome are released.
(Antiquities 17.8.2; Wars 1.33.8)
10. Herod's funeral procession to Herodium lasts a month and seven days.
(Antiquities 17.8.3; Wars 1.33.9, 2.1.1)
11. The multitudes lament Judas and Matthias at the approach of Passover.
(Antiquities 17.9.1-3; Wars 2.1.3)
12. The beginning of Herod's rule to the destruction of the Second Temple was 107 years.
(Antiquities 20:10)

4 BCE – March 13 | Eclipse to Passover = 29 or 30 days

The majority of chronologists and historians place Herod's death in the spring of 4 BCE. Perhaps they are unaware of the fact that there was only one month's time between the eclipse of March 13 and the upcoming Passover. In light of this, there is no possible way to fit the events recorded by Josephus into a single month. After all, his funeral procession alone took that amount of time. Accordingly, we must reject this eclipse as the one preceding the death of Herod.

At eight stadia or furlongs a-day, as here, Herod's funeral, conducted to Herodium, which lay at the distance from Jericho, where he died, of 200 stadia or furlongs, Of the War, B. 1. ch. 33. sect. 9, must have taken up no less than twenty-five days.³²

³² William Whiston, "Antiquities of the Jews - Book 17," *The Works of Flavius Josephus*, accessed Oct. 23, 2011, http://www.ccel.org/j/josephus/works/ant-17.htm#EndNote_ANT_17.12b.

5 BCE – March 23 | Eclipse to Passover = 29 or 30 days

Neither can the eclipse of March 23, 5 BCE, be the one to which Josephus refers. Like the 4 BCE eclipse, there wasn't enough time for all the recorded events to have transpired between it and the upcoming Passover. We must reject this eclipse as untenable as well.

1 BCE – January 10 | Eclipse to Passover = 12 weeks

While there may have been enough time between this eclipse and Passover, there are other insurmountable problems with this date. It does not synchronize with Herod's conquest of Jerusalem during a Sabbatical year. It does not synchronize with the fourteenth year of Hezekiah, the twentieth year of Artaxerxes, or the thirty-seventh year of Nebuchadnezzar. It does not take AUC reckoning into consideration, not to mention Seleucid years or the prophecy of Daniel 9:25-26. If we choose 1 BCE for the year of Herod's death, we must abandon any hope of a consistent, logical chronology. It simply does not work. This is also an impossible year for Herod's death.

5 BCE – September 15 | Eclipse to Passover = 7 months

The only real contender for the eclipse preceding Herod's death is the one which occurred on September 15, 5 BCE. It is the only viable year that gives us the amount of time needed before Passover. Most importantly, it allows us to synchronize the prophecy of Messiah's coming with the Sabbatical cycle as evidenced by the fourteenth year of Hezekiah and the twentieth year of Artaxerxes. Now we have but to take the information given by Josephus and plot it out. This would put Herod's death sometime in late fall or early winter of 4591 CR.

When he had done these things, he died, the fifth day after he had caused Antipater to be slain; having reigned, since he had procured Antigonus to be slain, thirty-four years; but since he had been declared king by the Romans, thirty-seven.
Antiquities 17.8.1

When we take the years of Herod's reign back thirty-four years from 4591 CR | 5 BCE, we arrive at 38 BCE. It is year one (1) of his kingship, a year after a Sabbatical year. Herod reportedly took Jerusalem during a Sabbatical year. Therefore, we must move back one year. This brings us to 39 BCE and what would have thus been a "zero" (0) or "ascension year" for Herod.

The traditional chronology assigns Herod's conquest of Jerusalem to the impossible year of 37 BCE. Based on the erroneous date of 4 BCE for the eclipse preceding his death, it is not surprising that it is also out of sync with the Sabbatical cycle as evidenced elsewhere in time.

Messiah the Prince (4620 CR | 25 CE)

Messiah the Passover (4622 CR | 27 CE)

There is some debate among scholars as to the length of Messiah's public ministry. Most think it to have been about three and a half years long or more. Others postulate it to

have been about a year in length. Still others think it to have been around two years in duration. In my estimation the latter view is the best.

It is obvious, therefore, that we are not able to determine the exact length of Jesus' public ministry. The nearest we can come to a decision is (1) that the ministry of three years or more does not find any probable support in the four gospels, historically interpreted; (2) that a ministry of only twelve months seems too short to contain satisfactorily the succession of the events of the ministry as described by the evangelists; (3) that the ministry of eighteen months or two years seems, on the whole, to meet the requirements of the gospel data more fully and satisfactorily than any other view.³³

The Daniel chapter nine prophecy leads us to 25 CE as the year of Messiah's official appearance to Israel. The calendrical data in John's gospel confirms this.

Now the Jews' Feast of Tabernacles was at hand... Now on the last day, the Great Day of the Feast, Yeshua stood and cried out... At daybreak he again came into the temple... It was a Sabbath the day Yeshua made the clay and opened his eyes.
John 7:2, 37; 8:2; 9:14

The backdrop of chapters seven through nine of John is the Feast of *Sukkot*. When the last, Great Day of the Feast (*Tishri* 22) was over that year, Yeshua went to the Mount of Olives where he spent the night. Early in the morning, he entered the temple and began to teach. The extensive narrative that follows took place there in the temple courts (8:2, 20, 59). After his controversial "I AM" proclamation, he left the temple and encountered a man who was blind from birth, whose eyes he healed with clay he made from his saliva. According to John, the day following the last day of *Sukkot* that year was a Sabbath Day. The first of the month, therefore, had to have fallen on the sixth day of the week.

Parker and Dubberstein record Friday, October 12, 25 CE, as the first day of the seventh month, *Tishri*, in Babylon.³⁴ Using Babylonian coordinates, LunaCal2.1 tells us that the moon "might be visible to the naked eye" on the night of Thursday, October 11, 25 CE, with a visibility factor of $q = 0.2$. As the visibility factor was $q = 0.25$ for the moon that rose over Israel that night, it's no stretch to surmise that it was visible there as well. LunaCal2.1 gives us the same readout as it did for the visibility from Babylon: it "might be visible to the naked eye." Accordingly, Friday, October 12, 25 CE, would have indeed been the first of the seventh month in Israel as well, as the biblical record requires. Following is the layout.

³³ Clyde Weber Votaw, "The Chronology of Jesus' Public Ministry," *The Biblical World*, vol. 26, no. 6, 1905, pp. 425–430, accessed September 4, 2022, <http://www.jstor.org/stable/3140872>.

³⁴ Parker and Dubberstein, *Babylonian Chronology*, 46.

Hebrew Dates 4620						
Elul	25	26	27	28	29	
	1	2	3	4	5	6 שבת
Tishri						1 2
	3	4	5	6	7	8 9
	10	11	12	13	14	15 16
	17	18	19	20	21	22 23
	24	25	26	27	28	29 30

Julian Dates 25 CE						
7	8	9	10	11		oct
1	2	3	4	5	6	שבת
					12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3 nov
4	5	6	7	8	9	10

I am aware that some do not believe John 7:53-8:11 belongs in our Bibles. This passage, called by scholars the *Pericope Adulterae* (“Extract of the Adulteress”), is said by some to be a later addition to John’s gospel and therefore not authentic and not inspired. Yet it is excluded in only 14.4% of extant manuscripts (240 out of 1,668 to be exact).³⁵ Current reasons given for its exclusion include internal, external and patristic “evidences.” After assessing said “evidences,” John Tors has this to say in favor of the inclusion of the passage:

IN SUM, THEN, we have seen that all of the evidence, including the early versions, the Patristic writings, the attitude of early Christians towards the altering of the NT text, and then explicit testimony of Augustine is consistent with, and in most cases inevitably points to the conclusion that the *Pericope Adulterae* was from the beginning a part of the original Gospel According to John, written as God-breathed Scripture by the apostle John himself. The idea that this passage was not authentic but was added to the Gospel book later simply cannot be maintained in the face of the actual evidence.³⁶

The testimony of Augustine (400 CE), mentioned above, is critical to this discussion. It provides evidence of the deliberate excision of this passage so as not to give certain women a false permission to sin. The quote from Augustine is as follows:

But because of namely this, the mind of the unfaithful was terrified so that some people of modest faith, or rather, enemies of true faith, I believe, fearing that impunity of sinning be given to their women, **removed from their codices that thing which the Lord did concerning the pardon of the adulteress** (as if He who said, “Now do not sin anymore” granted permission of sinning or for that reason a woman did not have to be cured by the doctor, God, by the remission of that sin!) in order that insane men may not be offended. De Adulterinis Conjugiis 2:6–7³⁷

Augustine gives us the core reason for the exclusion and it is not a very good one. In addition to Mr. Tors’ excellent detailed arguments in favor of inclusion, there is another

³⁵ John Tors, “A CALL FOR SERIOUS EVANGELICAL APOLOGETICS: The Authenticity of John 7:53-8:11 as a Case Study,” *Truth in My Days*, 2015, accessed Dec. 16, 2022, <https://truthinmydays.com/a-call-for-serious-evangelical-apologetics-the-authenticity-of-john-753-811-as-a-case-study/>.

³⁶ Ibid.

³⁷ Ibid.

reason to include it: as stated above, the calendrical data recorded in the *Pericope Adulterae* reconciles effortlessly with 25 CE as the culmination of the sixty-nine weeks of Daniel's prophecy and the official starting year of Messiah's ministry. The Passover mentioned in John 2:13 thus had to have taken place earlier that year, making it necessary to assign his immersion and subsequent wilderness temptation to the previous Hebrew calendar year – 4619 CR.

John's gospel also gives us information which I believe defines the year of the crucifixion. While Luke is very generic and simply tells us it was a Preparation Day, just before the Sabbath, John is more precise. He records that Sabbath as having also been a High Sabbath.

That day was the Preparation, and the Sabbath drew near. And the women who had come together with him from Galilee, having followed, they saw the tomb and how his body was laid.

Luke 23:54-55

And it was the Preparation of the Passover... it was the Preparation... for that Sabbath day was a high day...

John 19:14, 31

The preparation for the weekly Sabbath (Day 6) and Passover (*Nisan* 14) therefore coincided that year. Accordingly, we must find a year where the Sabbath of the first day of Unleavened Bread (*Nisan* 15) fell out on the regular weekly Sabbath (Day 7).

It is worth noting at this point that there are those who see two Sabbaths in the crucifixion story. To some, the Sabbaths are back-to-back; to others, they are separated by a work day. This requires a Wednesday or Thursday crucifixion. It also requires the "three days and three nights" in the crucifixion narrative to have been three twenty-four-hour days.

For as Jonah was in the belly of the big fish three days and three nights, so shall the Son of Man be in the heart of the earth three days and three nights... Therefore, command that the tomb be secured until the third day...

Matthew 12:40; 27:64

... our chief priests and rulers delivered him to be condemned to death, and they crucified him... and... this is the third day since these things happened.

Luke 24:20-21

When we allow Scripture to interpret Scripture, we have to abandon the twenty-four-hour-day approach. Nothing supports it. On the contrary, the several examples of "three days and three nights" found in the pages of the *Tanakh* reveal the numbering to be inclusive. By that I mean the first and last days of the count, even if partial, are considered as a whole for purposes of numbering or counting. It holds true for years as well as days.

Now it came about in the fourth year of King Hezekiah, which was the seventh year of Hoshea son of Elah king of Israel, that Shalmaneser king of Assyria came up against Samaria and besieged it. And at the end of three years they captured it; in the sixth year of Hezekiah, which was the ninth year of Hoshea king of Israel, Samaria was captured.

2 Kings 18:9-10

The siege of Samaria lasted three years. It took place during the fourth, fifth, and sixth years of Hezekiah and the seventh, eighth, and ninth years of Hoshea. We don't know when the siege started in the fourth year of Hezekiah and we don't know when Samaria was finally taken in his sixth year. It doesn't matter. The numbering of years is inclusive. The numbering of days is seen to be inclusive as well, as seen in the following narrative from the book of Esther.

Go, assemble all the Jews who are found in Susa, and fast for me; do not eat or drink for three days, night or day. I and my maidens also will fast in the same way... Now it came about on the third day that Esther put on her royal robes and stood in the inner court of the king's palace in front of the king's rooms.

Esther 4:16-5:1

It appears that Esther's three-day, night-and-day fast was numbered inclusively as she stands before the king on the third day. Two more examples of are found in the book of 1 Samuel. The first is in the account of how Jonathan helped David escape from Saul.

Then Jonathan said to him, "Tomorrow is the new moon, and you will be missed because your seat will be empty. When you have stayed for three days, you shall go down quickly and come to the place where you hid yourself on that eventful day, and you shall remain by the stone Ezel..." So David hid in the field; and when the new moon came, the king sat down to eat food... but David's place was empty... And it came about the next day, the second day of the new moon, that David's place was empty... Then Saul's anger burned against Jonathan... Saul hurled his spear at him to strike him down; so Jonathan knew that his father had decided to put David to death. Then Jonathan arose from the table in fierce anger, and did not eat food on the second day of the new moon, for he was grieved over David because his father had dishonored him. Now it came about in the morning that Jonathan went out into the field for the appointment with David...

1 Samuel 20:18-19, 24-25, 27, 30, 33-35 NASB

This narrative is fairly straight-forward. Jonathan understood his father's intentions concerning David on the evening of the second day of the month. Grieved and angry, he left the table that night without eating anything (indeed he ate nothing the entire second day of the month). The next morning, the morning of the second day of the month, (the day he wasn't eating) he went out into the field for the pre-arranged meeting with David. That was the third day. The day the meeting was arranged and David began hiding was day one. The first day of the month was day two. The second day of the month was day three. This scenario is only possible if day one and day three are partial days, numbered inclusively. The story of David and the Egyptian serves as another example of this typical sort of inclusive numbering.

They gave him a piece of fig cake and two clusters of raisins, and he ate; then his spirit revived. For he had not eaten bread or drunk water for three days and three nights. David said to him, “To whom do you belong? And where are you from?” And he said, “I am a young man of Egypt, a servant of an Amalekite; and my master left me behind when I fell sick three days ago...”
 1 Samuel 30:12-13 NASB

The Hebrew text for “three days ago” is הַיּוֹם שְׁלֹשָׁה – *HaYom Sh’loshah*. Literally, it says, “today is three.” The Septuagint reads σήμερον τριταῖος – *seimeron tritaios*. Literally meaning, “today third,” it coincides in meaning precisely with the Hebrew text. It indicates that the “three days and three nights” were being numbered inclusively and were not successive twenty-four-hour periods of time. A better translation of “three days ago” would thus be, “the day before yesterday.” “Three days and three nights” is an idiom. The count is inclusive.

These texts, taken individually and together as a whole, instruct us to understand the “three days and three nights” of the resurrection narrative in like manner. He was raised on the THIRD day. It was the first day of the week. The men he appeared to on the road to Emmaus said, “This is now the THIRD day since these things happened.” If he had been in the tomb for three twenty-four-hour days, by logical definition he would have been raised on the FOURTH day. The Western mind seems to have a hard time grasping that.

When we approach the “three days and three nights” in this manner, the day of the crucifixion – Passover – was day one. Day two was the weekly Sabbath which coincided with the High Sabbath of the First Day of Unleavened Bread. Day three brings us to the first day of the next week. In the scheme and language of Passover, it was the day after the Sabbath, the day of the firstfruits offering, the first day of the count to *Shavu’ot* (Leviticus 23:11). I think the greatest deterrent to seeing the inclusive numbering system in the resurrection narrative is the way Luke 23:56-24:1 has typically been translated.

And it was the preparation day, and the Sabbath was about to begin. Now the women who had come with him out of Galilee followed after, and saw the tomb and how his body was laid. And they returned and prepared spices and perfumes. And on the Sabbath they rested according to the commandment. But on the first day of the week, at early dawn, they came to the tomb bringing the spices which they had prepared.
 Luke 23:54-24:1 NASB

When the Sabbath was over, Mary Magdalene, and Mary the *mother* of James, and Salome, bought spices, so that they might come and anoint Him.
 Mark 16:1 NASB

And Nicodemus came also, who had first come to him by night; bringing a mixture of myrrh and aloes, about a hundred pounds weight. And so, they took Yeshua’s body, and bound it in linen wrappings with the spices, as is the burial custom of the Jews. Now in the place where he was crucified there was a garden; and in the garden was a new tomb, in which no one had yet been laid. Therefore, on account of the Jewish day of preparation, because the tomb was nearby, they laid Yeshua there.
 John 19:39-42

When we compare the translations of Mark and Luke, we get the strange impression that they must have been speaking of two different Sabbaths. In Mark, the women buy spices *after* the Sabbath while in Luke, it appears that they prepare them *before* the Sabbath. So, Mark was speaking of the Sabbath of the first day of Unleavened Bread, while Luke was discussing the weekly Sabbath? The Greek text of Luke 23:56-24:1 gives us a different viewpoint. Below is a literal translation with the pertinent Greek words in parentheses.

Having returned (ὑποστρέψασαι [*hupostrepsasai*]), they prepared (ἠτοίμασαν [*heitoimasan*]) spices and fragrant oils. And so, on the one hand (Καὶ τὸ μὲν [*kai to men*]), they rested on the Sabbath according to the commandment, but on the other hand, on the first day of the week (τῇ δὲ μιᾷ τῶν σαββάτων [*tei de mia tōn sabbatōn*]), at daybreak, they and certain other women with them, came to the tomb bringing the spices they had prepared (ἠτοίμασαν [*heitoimasan*]).
Luke 23:56-24:1

The comment about resting on the Sabbath is prefaced by μὲν [*men*], while the phrase about coming to the tomb at dawn on the first day of the week is prefaced by δὲ [*de*]. The words μὲν [*men*] and δὲ [*de*] go together. They form a complete thought. Following is the definition.

μὲν, Particle, used to shew that the word or clause with which it stands answers to a following word or clause, which is introduced by δέ. Generally, μὲν and δέ may be rendered *on the one hand, on the other hand* ...³⁸

In our text they function to put the two thoughts in parentheses, as though they were a side note with additional, interesting information. In my opinion, those two thoughts belong together in a single chapter, in a single verse. To put half the thought in 23:56 and the other half in 24:1 is to overlook grammar and syntax. It is misleading and does not make for an accurate translation. It gives the mistaken impression, when compared with Mark, that there must have been two Sabbaths in the crucifixion narrative when such was not the case.

There is only one Sabbath in the chronology. Because of the lateness of the day, the process of acquiring and preparing additional spices for the Master's burial was postponed until after Sabbath. "Having returned" speaks to this process. Sabbath was over. It was the beginning of the First Day of the week, what most of the world calls, "Saturday Night." The shops generally reopened for a few hours after sundown as they do today. The women bought the necessary spices and prepared them that night. Maybe they slept some, maybe they didn't. When they brought them to the tomb early in the morning around dawn, they found it empty. Mark and Luke are speaking of the same Sabbath, with a slightly different point of view. Such an understanding is consistent with the inclusive, one-two-three, Hebrew method of counting. I believe this understanding is supported by the astronomical/calendrical data for the years 26, 27 and 28 CE.³⁹

³⁸ Henry George Liddell and Robert Scott, *An Intermediate Greek-English Lexicon* (Oxford: The Clarendon Press, 1996), p. 498.

³⁹ See Appendix 5 – 25 CE to 28 CE.

In 26 CE Passover was on a Second Day (Monday). This year is thus untenable for the year of his death. In 28 CE Passover was on a Fourth Day (Wednesday) in the first month (*Nisan*) and on a Sixth Day (Friday) in the second month (*Ziv*). This would have made Messiah’s ministry a little over three years long. Even though the criterion of a Sixth Day Passover can be met in the second month, there is no indication that it was a second-month Passover. Furthermore, I think a three-year-plus ministry is too long. So, this year is also untenable for the year of his death.

In 27 CE, though, was Passover indeed on a Sixth Day (Friday)? It would have been if the first of the month fell on a Sabbath. This would translate into a ministry of just over two years, which fits the details best in my opinion.

Using the coordinates from Babylon, LunaCal2.1 tells us the moon of Thursday, 3/27/27 CE, had a Yallop’s *q* value of 0.08 and that it “might be visible to the naked eye.” According to Parker/Dubberstein the new moon of *Nisan* was indeed seen from Babylon that night making Friday, 3/28/27 CE the first of the month there.⁴⁰ LunaCal2.1 gives the moon over Israel on Thursday, 3/27/27 CE, a Yallop’s *q* value of 0.14 and also says that it “might be visible to the naked eye.” If it was visible from Israel that night like it was from Babylon, the first of the month would have been a Sixth Day. Passover would have been on a Fifth Day. But if the moon was not visible till the following evening (Friday, 3/28/27 CE), Passover would have been on a Sixth Day.⁴¹

I believe the Master’s public life to have been a little over two years in duration, culminating in a Sixth Day crucifixion and a First Day resurrection. I believe 27 CE to be the only year that *can* fulfil both of these requirements. The moon of Thursday, 3/27/27 CE, would have been visible only under perfect atmospheric conditions both in Babylon and Jerusalem. While it was visible from Babylon that night, I believe the chronological constraints indicate that it was not visible from Jerusalem. Some may view this as an inconsistent application of the data. I believe it is a *necessary* application of the data, as I find no other year in which all the biblical factors *could* align as they should. Following is the layout.

Hebrew Dates 4622						
<i>Adar</i>	25	26	27	28	29	30
	1	2	3	4	5	6 שבת
<i>Nisan</i>						1
	2	3	4	5	6	7 8
	9	10	11	12	13	14 15
	16	17	18	19	20	21 22
	23	24	25	26	27	28 29

Julian Dates 27 CE						
23	24	25	26	27	28	mar
	1	2	3	4	5	6 שבת
						29
30	31	1	2	3	4	5 apr
6	7	8	9	10	11 12	
13	14	15	16	17	18 19	
20	21	22	23	24	25 26	

The arrangement of the month is what it was when Abram left Haran and when Israel left Egypt. There appears to be a connection between Abram’s exit from Haran and Israel’s exit from Egypt. There is certainly a correlation between the first Passover as a

⁴⁰ Parker and Dubberstein, *Babylonian Chronology*, p. 46.

⁴¹ See Appendix 7 for a breakdown of Yallop’s visibility criteria.

type and Yeshua as the fulfillment of that type. It must be significant that the three events are painted against the backdrop of an identically-oriented month.

Messiah the Prince spent forty days in the desert preparing for a work which would commence at the start of the upcoming Sabbatical year in fulfillment of Daniel's prophecy. That year was the final year of the sixty-ninth week of years from the proclamation to build and restore Jerusalem made by Artaxerxes in 458 BCE. The proclamation that established *Torah* over the realm of the king of Persia made the physical restoration of Israel possible. It foreshadowed, in a way, the work of Messiah, whose death and resurrection make spiritual renewal possible for us. He can now put his *Torah* in our hearts and establish his rule over us. He has forgiven our sins. He is restoring us.

“Indeed, days are coming,” says יהוה, “that I will make a new covenant with the house of Israel and with the house of Judah... For this is the covenant that I will make with the house of Israel after those days,” says יהוה, “I will put my *Torah* within them, and write it on their hearts; and I will be their *Elohim*, and they shall be my people.”
Jeremiah 31:31, 33

Messiah Born (4590 CR | 6 BCE)

Anyone who has done even the faintest amount of research into the subject of when Yeshua was born knows that it was not in December. It is likely that he was born during *Sukkot*. Gabriel could thus have visited Mary during *Hanukkah* to announce his conception.

We arrive at the year 4590 CR | 6 BCE for his birth year by going back thirty years from Sabbatical year 4620 CR | 25 CE. Many believe he was born on the first day of *Sukkot* and was circumcised eight days later on the last day of the Feast. This is an attractive scenario, and there is much compelling information available which makes it not only entirely feasible, but most probable.

And the first lot came out for Jehoiarib, for Jedaiah the second, for Harim the third, for Seorim the fourth, for Malchijah the fifth, for Mijamin the sixth, for Hakkoz the seventh, for Abijah the eighth... This was the order of their service to come to the house of יהוה, according to their judgment by Aaron their father, as יהוה *Elohim* of Israel had commanded him.

1 Chronicles 24:7-10, 19

But David, being desirous of ordaining his son king of all the people, called together their rulers to Jerusalem, with the priests and the Levites... He divided them also into courses: and when he had separated the priests from them, he found of these priests twenty-four courses, sixteen of the house of Eleazar, and eight of that of Ithamar; and he ordained that one course should minister to God eight days, from Sabbath to Sabbath. And thus were the courses distributed by lot, in the presence of David, and Zadok and Abiathar the high priests, and of all the rulers; and that course which came up first was written down as the first, and accordingly the second, and so on to the twenty-fourth; and this partition hath remained to this day.

Antiquities 7.14.7

Three times in the year all the twenty-four orders of priests were alike entitled to share the pieces of offerings of the festival, and in the shewbread; and on the Feast of Pentecost the distributors say to each priest: “Here is leavened bread for thee, and here is unleavened

bread for thee.” The order of priests whose regular time of service occurs in the festivals offer the continual daily offerings, vows, and voluntary offerings, and all congregational offerings, and every sacrifice.
Sukkah 5:7-8

There was in the days of Herod, the king of Judah, a certain priest named Zechariah, of the order of Abijah. His wife was of Aaron’s daughters, and her name was Elizabeth. Both were righteous before *Elohim*, walking in all the commandments and requirements of יהוה, blameless... And it came to pass, when the days of his service were completed, that he departed to his house. After those days Elizabeth, his wife, conceived and hid herself five months... In the sixth month, the angel Gabriel was sent by *Elohim* to a city of Galilee named Nazareth, to a virgin betrothed to a man named Joseph, of the house of David. And the virgin’s name was Mary... And the angel said to her... “And indeed, Elizabeth, your relative, she also has conceived a son in her old age; and this is her sixth month, she who is called barren...”
Luke 1:5-6, 23-24, 26-27, 30, 36

The only definitive way to associate Messiah’s birth with *Sukkot* is to know when Zechariah was in the Temple when Gabriel visited him. That will always be, I’m afraid, a matter of speculation. We know that Zechariah was of the order of Abijah. His course of service was the eighth in a continuous cycle of rotation which does not appear to be associated with the start of the year.⁴²

The Rabbis of the second century were less than forthright about chronological issues regarding the coming of Messiah. That includes, I believe, the details they gave us regarding the priestly rotation at the time of the destruction of the Second Temple. This information has a direct bearing on when Zechariah was in the Temple, because we can trace it back.⁴³ The following table reflects what I believe to be the truth of the matter. It is, however, speculative in nature.

I do believe Yeshua was born during *Sukkot*. Knowing that John was six months older than he was, I assigned his birthday to the fifteenth of *Nisan*. Elizabeth would have thus been in her sixth month at the start of *Hanukkah*, the Feast of Dedication. This could easily have been the time Mary was visited by Gabriel. Below is the layout of the months of 4589 CR and the first seven for 4590 CR. The weeks in green are the weeks of Elizabeth’s pregnancy. Weeks in blue are Mary’s. I have used forty weeks for the period of gestation.

1 - Nisan 4589 4/2 – 4/30 7 BCE	2 - Ziv 4589 5/1 – 5/30 7 BCE	3 - Sivan 4589 5/31 – 6/28 7 BCE	4 – 4th Month 4589 6/29 – 7/28 7 BCE	5 - Av 4589 7/29 – 8/26 7 BCE
1 2 3 4 5 6 7	1 2 3 4 5 6 7	1 2 3 4 5 6 7	1 2 3 4 5 6 7	1 2 3 4 5 6 7
1 2 3	1 2	1 2 Harim 6 7	1 Hakkoz 5 6	1 2 3 4
4 5 Pethahiah 9 10	3 4 Deliah 8 9	8 9 Seorim 13 14	7 8 Abijah 12 13	5 6 1 8 9 10 11
11 12 Jehezkel 16 17	10 11 Maaziah 15 16	15 16 Malchijah 20 21	14 15 16 17 18 19 20	12 13 2 15 16 17 18
18 19 Jachin 23 24	17 18 Jehoiarib 22 23	22 23 Mijamin 27 28	21 22 23 24 25 26 27	19 20 3 22 23 24 25
25 26 Gamul	24 19 Jediah 29 30	29	28 29 30	26 27 4 29

⁴² TorahCalendar.com, “The 24 Priestly Courses,” accessed Aug. 2, 2020, <https://torahcalendar.com/PDF/24PriestlyCourses.pdf>.

⁴³ A more thorough look at the rotation schedule is found in the following section - Destruction of the Second Temple.

Times and Appointed Times

6 - Elul 4589 8/27 – 9/25 7 BCE 1 2 3 4 5 6 7 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	7 - Tishri 4589 9/26 – 10/24 7 BCE 1 2 3 4 5 6 7 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	8 - Bul 4589 10/25 – 11/23 7 BCE 1 2 3 4 5 6 7 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	9 - Kislev 4589 11/24 – 12/22 7 BCE 1 2 3 4 5 6 7 17 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 Hanukkah 21	10 - Tevet 4589 12/23 7 BCE – 1/20 6 BCE 1 2 3 4 5 6 7 Hanukkah 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29
11 - Sh'vat 4589 1/21 – 2/19 6 BCE 1 2 3 4 5 6 7 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	12 - Adar 4589 2/20 – 3/21 6 BCE 1 2 3 4 5 6 7 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	13 – 2 Adar 4589 3/22 – 4/19 6 BCE 1 2 3 4 5 6 7 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	1 - Nisan 4590 4/20 – 5/19 6 BCE 1 2 3 4 5 6 7 38 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	2 - Ziv 4590 5/20 – 6/17 6 BCE 1 2 3 4 5 6 7 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29
3 - Sivan 4590 6/18 – 7/17 6 BCE 1 2 3 4 5 6 7 21 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	4 – 4th Month 4590 7/18 – 8/16 6 BCE 1 2 3 4 5 6 7 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	5 - Av 4590 8/17 – 9/14 6 BCE 1 2 3 4 5 6 7 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	6 - Elul 4590 9/15 – 10/14 6 BCE 1 2 3 4 5 6 7 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	7 - Tishri 4590 10/15 – 11/12 6 BCE 1 2 3 4 5 6 7 38 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29

This scenario allows leeway for all the unknowns. We cannot know exactly when Elisabeth conceived. We cannot know exactly when Mary conceived. And we cannot know if one or both of them went past 40 weeks of pregnancy (which is common for first-time mothers). But I think the three weeks between Zechariah's service week and Elizabeth's pregnancy is ample time to allow for the adjustments, if we knew what they were.

Destruction of the Second Temple (4663 CR | 68 CE)

Accordingly, the number of the high priests, from the days of Herod until the day when Titus took the temple and the City, and burnt them, were in all twenty-eight; the time also that belonged to them was one hundred and seven years.

Antiquities 20:10

They have said that when the Temple was destroyed the first time it was the evening of the ninth of *Av*, and it was after the Sabbath, and it was after a Sabbatical Year, and it was the week of the priestly watch of Jehoiarib, and the Levites were singing a song and standing on their platform. And what song were they singing? (Psalms 94:23) They were singing the verse, "And He brought upon them their iniquity, and He will cut them off in their evil." And they had not managed to recite the end of the verse, "HaShem, our God will cut them off," before foreigners came and conquered them. And it was likewise the second time.

Taanit 29a:12

And now Titus gave orders to his soldiers that were with him to dig up the foundations of the tower of Antonia, and make him a ready passage for his army to come up. While he himself had Josephus brought to him: (for he had been informed that on that very day, which was the seventeenth day of Panemus [Tammuz], the sacrifice, called the daily sacrifice had failed, and had not been offered to God, for want of men to offer it...

Wars 6.2.1

So Titus retired into the tower of Antonia, and resolved to storm the temple the next day, early in the morning, with his whole army, and to encamp round about the holy house. But as for that house, God had, for certain, long ago doomed it to the fire; and now that fatal day was come, according to the revolution of ages; it was the 10th of the month Lous, [Ab,] upon which it was formerly burnt by the king of Babylon.

Wars 6:4:5

Rabbinic theology asserts that the destructions of the first and second Temples mirror each other, yet in only one instance does the assertion reflect the reality. They say it was the ninth of *Av*, the day after the Sabbath, and a year after a Sabbatical year. This is myth.

The story is based on information presented in the *Seder Olam Rabbah*, the standard rabbinic chronology from the second century. There are many problems with this chronology, not the least of which is a shortfall of 834 years. More on that later. For now, let's compare the traditional understanding with what we know of historical realities.

Destruction of First Temple

1. Traditional Understanding
 - a. *Av* 9, 586 or 587 BCE
 - b. Day after the Sabbath
 - c. Year after *Sh'mitah*
2. Historical Reality
 - a. *Av* 10, 587 BCE
 - b. Two days after the Sabbath
 - c. Two years before *Sh'mitah*

Destruction of Second Temple

1. Traditional Understanding
 - a. *Av* 9, 70 CE
 - b. Day after the Sabbath
 - c. Year after *Sh'mitah*
2. Historical Reality
 - a. *Av* 10, 68 CE
 - b. Day before the Sabbath
 - c. Year after *Sh'mitah*

The correlation between these two events is extremely important to rabbinic theology, yet the realities do not match. What is true concerning one event is not necessarily true of the other. The only way to completely match up both events is to falsify the data in one or another, in one way or another. Following is a comparison of the layout of the months for 587 BCE, 70 CE and 68 CE.

The Moon might be visible to naked eye on 8/18/587 BCE
Av 1 = August 19, 587 BCE

Hebrew Dates 4009							
<i>Tammuz</i>	24	25	26	27	28	29	
	1	2	3	4	5	6	שבת
<i>Av</i>							1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30						

Julian Dates 587 BCE							
13	14	15	16	17	18		aug
	1	2	3	4	5	6	שבת
							19
20	21	22	23	24	25	26	
27	28	29	30	31	1	2	sep
3	4	5	6	7	8	9	
10	11	12	13	14	15	16	
17							

The Moon is definitely visible to naked eye on 7/27/70 CE

Av 1 = July 28, 70 CE

Hebrew Dates 4665							
Tammuz	25	26	27	28	29	30	
	1	2	3	4	5	6	שבת
Av							1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29

Julian Dates 70 CE							
21	22	23	24	26	27		jul
1	2	3	4	5	6		שבת
							28
29	30	31	1	2	3	4	aug
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	

The Moon is definitely visible to naked eye on 7/19/68 CE

Av 1 = July 20, 68 CE

Hebrew Dates 4663							
Tammuz	25	29	30				
	1	2	3	4	5	6	שבת
Av				1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29			

Julian Dates 68 CE							
17	18	19					jul
1	2	3	4	5	6		שבת
			20	21	22	23	
24	25	26	27	28	29	30	
31	1	2	3	4	5	6	aug
7	8	9	10	11	12	13	
14	15	16	17				

In the years 587 BCE and 70 CE the ninth of *Av* followed the Sabbath. In 68 CE it did not. The layout of the historical Sabbatical cycle reveals that neither 588 BCE nor 69 CE were Sabbatical years. On the other hand, 67 CE was a Sabbatical year. In order for these things to align the way the rabbis claimed, the chronology had to have been reworked. There is no way around it. Here is what I think happened:

1. The year of the destruction of Herod's Temple was changed from 68 CE to 70 CE to make the ninth of *Av* match "the day after the Sabbath" in 587 BCE.
2. The Sabbatical cycle was altered and the start of the year was changed from spring to fall so that *Av* 9, 70 CE, could be said to follow a Sabbatical year.

The fact that the Temple actually was destroyed on a year following a Sabbath year seems to be the only aspect of the rabbinic version that is true. In order to make 70 CE fit that pattern, though, some changes had to have been made. I believe the "fall-to-fall" year and the rabbinic *Sh'mitah* (Sabbatical Year) are those necessary changes. Below is a chart comparing the historical Sabbatical cycle with the one I believe they created in order for 70 CE to work with their scheme.

2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	
67 CE												68 CE												69 CE												70 CE								
												Av																																
Historical Sabbatical Year																																												
																								Rabbinic Sabbatical Year																				
																																				Av								

The rabbinic version of the Sabbatical cycle does not synchronize with information in the books of the Maccabees. It cannot be reconciled with Hezekiah’s fourteenth year or Artaxerxes’ twentieth year. Most importantly, it cannot be reconciled with Artaxerxes’ seventh year and the beginning of the countdown to Messiah the Prince. I believe this to be the real and central issue, but again, more on that later.

The last item I want to touch on here is the idea that Zechariah was serving in the Temple during the fourteenth week of the Hebrew year. The Rabbis claim that the division of Jehoiarib was serving when both Temples were destroyed. To my knowledge, no credible historical information has been handed down to us concerning which order of priests was the last to serve before Solomon’s Temple was destroyed. In 70 CE there was no Temple service at all on the ninth of *Av* as it ended on the seventeenth of *Tammuz*, three weeks earlier. But let’s give the rabbinic statement the benefit of a doubt for a moment. Let’s understand them to mean that Jehoiarib was the last order to serve, the one actually serving on the seventeenth of *Tammuz* in 70 CE, the year they claim for the destruction of the Temple. How did they determine the rotation for that erroneous year? There are really only two ways I can think of:

1. Superimpose the priestly order serving on the seventeenth of the fourth month in 68 CE (Jehoiarib) onto the fourth month of 70 CE, or
2. Extrapolate the actual priestly order serving on the seventeenth of the fourth month in 68 CE (Hezir) to the fourth month of 70 CE.

If they did the latter (and I believe they did), the division of Abijah would have served during the fourteenth week of the year 4598 CR.⁴⁴ From the time Zechariah returned home to when Elizabeth conceived would have been about three weeks.

If, however, they did the former, the division of Abijah would have served during the sixth week of the year 4598 CR. This would have left an extra eight weeks between the time Zechariah returned home and when Elizabeth conceived. That is, if we believe Yeshua was born during *Sukkot*.

Was the Master born during *Sukkot*? It is certainly a possibility, maybe even a probability. His life, death, and resurrection are all associated with the *Mo’adim*. His very being is associated with them. Why wouldn’t his birth be as well?

Seventy-first Jubilee (6630 CR | 2035 CE)

As already noted, Yeshua proclaimed himself the fulfillment of the Jubilee, on the eve of the upcoming, thirtieth Jubilee. In doing so, he read from a passage in Isaiah.

⁴⁴ The data for the rotation sequence is contained in Appendix 6 – The Order of Abijah.

Times and Appointed Times

The Spirit of *Adonai* יהוה is upon me, because יהוה has anointed me to preach good tidings to the poor. He has sent me to bind up the brokenhearted, to proclaim release to the captives, and the opening of the eyes to those who are bound; to proclaim the acceptable year of יהוה, and the day of vengeance of our *Elohim*.

Isaiah 61:1-2

And he came to Nazareth, where he was raised. And he went in to the synagogue, as was his custom on the Sabbath Day, and stood up to read. And the scroll of the prophet Isaiah was handed to him. And having unrolled the scroll, he found the place where it is written: “The Spirit of יהוה is on me, because he has anointed me to bring good news to the poor. He has sent me to heal the broken hearted, to proclaim release to the captives and recovery of sight to the blind, to set free the downtrodden; to proclaim the acceptable year of יהוה.” And having rolled up the scroll, he gave it back to the assistant and sat down. And all eyes in the synagogue were fastened on him. And he said to them, “Today this Scripture has been fulfilled in your hearing.”

Luke 4:16-21

This passage in Isaiah is almost universally recognized as a reference to the Jubilee. The Greek word translated “liberty,” ἀφεσις (*aphesis*), in Luke 4 is the same word translated “release” in the Septuagint version of the *Tanakh* at Leviticus 25:10 and Isaiah 61:2. The question as to how close we are to Daniel’s Seventieth Week arises from the way the Master finished his reading. The last verse contains two phrases:

- (1) The favorable year of יהוה, and
- (2) The day of vengeance of our *Elohim*.

Notably, he left off the last phrase of the verse. He did not read, “and the day of vengeance of our *Elohim*,” when he proclaimed the fulfillment of this passage. Yet in the context, “the acceptable year of יהוה” and “the day of vengeance of our *Elohim*” are poetically parallel thoughts. They are complimentary descriptions of a time of worldwide judgment immediately preceding the Messianic kingdom. Yet Yeshua split the verse. As it was, his proclamation of the fulfillment of the Jubilee was a partial fulfillment. He knew the complete fulfillment was yet to come. Since the fulfillment of the first part of it was so intricately connected with the Sabbatical/Jubilee cycle, is it not possible and even reasonable to postulate that the second part will be as well?



3

LEAVEN OF THE PHARISEES

The Jewish “sages” of the second century rejected Yeshua as the Messiah of Israel. They rewrote history in such a way as to exclude him from consideration as heir to the throne upon which they sat. Their chronology, as mentioned before, is known as the *Seder Olam* (SO), in which 834 years of world history simply “vanish.” I believe this was done in an attempt to make the prophecy of Daniel chapter nine point to Simon Bar Kokhba as the “Messiah.” Here is a summary of the shortfall of years in the *Seder Olam*. I adapted the following table from the numbers presented by Dr. Floyd Nolan Jones.⁴⁵

Creation to the birth of Abram:	2,597 years (4595–1998 BCE)
<i>Seder Olam</i> :	<u>1,950 years</u> (3761–1811 BCE)
Difference:	- 647 years
Birth of Abram to the Exodus:	505 years (1998–1493 BCE)
<i>Seder Olam</i> :	<u>500 years</u> (1811–1311 BCE)
Difference:	- 5 years
Exodus to Solomon’s 4 th year:	479 years (1493–1014 BCE)
<i>Seder Olam</i> :	<u>480 years</u> (1311–831 BCE)
Difference:	+1 year
Solomon’s 4 th year to Dedication of 2 nd Temple:	498 years (1014–516 BCE)
<i>Seder Olam</i> :	<u>480 years</u> (831–351 BCE)
Difference:	-18 years
Dedication of 2 nd Temple to 70 CE:	586 years (516 BCE–70 CE)
<i>Seder Olam</i> :	<u>421 years</u> (351 BCE–70 CE)
Difference:	-165 years

When the differences are added up, there is a discrepancy of 834 years between Creation and 70 CE, the year commonly given for the destruction of the Second Temple. This shortfall has not gone unnoticed or unchallenged. Mitchell First, in his book, *Jewish History in Conflict*, cites forty-one Jewish authors between the years 1574 and 1988 who

⁴⁵ Floyd Nolan Jones, *The Chronology of the Old Testament* (Green Forest: Master Books, 2005), pp. 295-296.

believed there was a major problem with the rabbinic chronology. Two of the authors he quotes are quite revealing.

24 Simon Schwab (1962)

... the Sages who authored the SO chronology purposely stated an incorrect chronology. They did this to prevent people using their chronology to accurately predict the time of the coming of the Messiah...

37 Samuel Kedar (1984)

... makes the same suggestion as Schwab... He writes:

אין בפנינו לא טעות ולא שיכחה אלא הסתרה מכוונת

(we do not have before us [a case of] error or forgetting but of purposeful hiding).⁴⁶

The men who authored the *SO* chronology did not want anyone pinning down the time of Messiah's coming. That is the bottom line. After analyzing the evidence, Dr. Jones had this to say:

Indeed, it is manifestly apparent that the real reasons for the deliberate altering of their own national chronology in the *Seder Olam* were:

- (1) to conceal the fact that the Daniel 9:25 prophecy clearly pointed to Jesus of Nazareth as its fulfillment and therefore the long-awaited Messiah, and
- (2) to make that seventy weeks of years prophecy point instead to Simon Bar Kokhba!

Rabbis in the century immediately following Christ Jesus had a tremendous problem with so direct a prophecy as Daniel 9. This chapter speaks of Messiah's being cut off (slain) sixty-nine "weeks" (i.e., 69 sevens) or 483 years after the going forth of a commandment to restore and to build Jerusalem. This 538 B.C. prophecy (Dan. 9:1) unmistakably points to Jesus Christ and His crucifixion.⁴⁷

The *Seder Olam* chronology is purposely misleading. The true chronology has been reworked and redefined to suit rabbinic purposes, as has, I believe, the Sabbatical/Jubilee cycle. These deceptions are perpetuated to this day. The evaporation of 834 years of world history combined with the redefinition of the Sabbatical cycle obfuscates chronological information which (1) points unmistakably to Yeshua of Nazareth as Messiah and (2) reveals the importance of the Jubilee to his coming. In my opinion, the assignment of 70 CE to the destruction of the Second Temple is but a necessary part of the "purposeful hiding" spoken of by Samuel Kedar. As long as chronologists and historians persist in using the rabbinic model (including fall-to-fall years) for dating purposes, their dates will always be off track.

When all is said and done, the rabbinic calendar scheme barely resembles the calendar that was in use by the Hebrew prophets, priests, and kings of old. I do not wish to spend too much more time on this subject, but the differences between the two are worthy of note. Following is a brief summary.

⁴⁶ Mitchell First, *Jewish History in Conflict: A Study of the Major Discrepancy Between Rabbinic and Conventional Chronology* (Northvale: Jason Aronson, Inc., 1997), pp. 44-79.

⁴⁷ Jones, *Chronology*, p. 297.

The Hebrew Calendar

1. The calendar is a luni-solar calendar. It consists of eighteen 19-year lunar cycles and one 11-year intercalation cycle every 353 solar years.
2. The count to *Shavu'ot* begins on the First Day (Sunday) immediately following Passover.
3. The start of the new year is determined by the equinox.
4. The first of *Nisan* never falls more than one day before the spring equinox.
5. *Rosh HaShanah* (New Year) is the first day of the first month.
6. Sabbatical and Jubilee years start in the spring.
7. The months begin with the first visible crescent. Any month can have twenty-nine or thirty days, depending on the actual lunar phase.

The Rabbinic Calendar

1. The calendar is a luni-solar calendar. The rabbis who designed it were unaware of the 353-year solar cycle. Its intercalation scheme has therefore drifted since its inception in the fourth century.⁴⁸
2. The count to *Shavu'ot* begins on the second day of Unleavened Bread.
3. The start of the new year is determined by “postponement” rules.
4. The fifteenth of *Nisan* was intended to fall on or after the spring equinox.
5. *Rosh HaShanah* (New Year) is the first day of the seventh month.
6. Sabbatical years start in the fall while Jubilee years are debated and not observed.
7. No month is based on the lunar phase. The months of the year contain a fixed number of days. Only *Cheshvan* and *Kislev* can have either twenty-nine or thirty days. Determined by the postponement rules, the start of a new month can be delayed or advanced up to two days.

The rabbis made some blatant modifications to the ancient Hebrew calendar. In doing so, they had to annul certain things written in the *Torah*. One cannot help but wonder by what authority they did so. I think Daniel Gruber has insight into the matter and it is worthy of consideration.

The rabbis are the source of their own authority to annul the Torah. They gave this power to themselves. They gave to their own laws the same binding power as the laws of the Torah. Actually, they ascribed greater authority to their own laws than to the laws of Torah, for they claimed that their laws took precedence over what is written in Torah.⁴⁹

This is no frivolous accusation. The Talmud bears ready testimony to the veracity of the claim. Modern Jewish authors presumptuously perpetuate it.

⁴⁸ Bromberg, “The Seasonal Drift of the Traditional (Fixed Arithmetic) Hebrew Calendar,” *Symetry454*, May 9, 2011, Accessed Oct. 23, 2011, <http://individual.utoronto.ca/kalendis/hebrew/drift.htm>.

⁴⁹ Daniel Gruber, *Rabbi Akiba's Messiah: The Origins of Rabbinic Authority* (Hanover: Elijah Publishing, 1999), p. 82.

Times and Appointed Times

Rabbi Y'hudah maintains that the *K'tubah* is rabbinically ordained, and the sages have given their words more force than those of *Torah*...

...קסבר רבי יהודה כתובה דרבנן וחכמים עשו חיזוק לדבריהם יותר משל תורה...

K'tubot 56a

... and he maintains that the husband's right of inheritance is rabbinically ordained, and the sages have given their words more force than those of *Torah*...

...וקסבר ירושת הבעל דרבנן וחכמים עשו חיזוק לדבריהם יותר משל תורה...

K'tubot 83b

Heaven itself yields to the authority of the earthly court of justice as to the fixing of the calendar and the festival days (Yer. R. H. i. 57b; compare also Mak. 22b)... The power or right of deciding the Law, in dubious cases, or of interpreting, modifying, or amplifying, and occasionally of abrogating it, is vested in the Rabbis as its teachers and expounders.⁵⁰

The ruling rabbis as a whole rejected their King. They rewrote history in such a way as to encourage future generations of Jewish men and women to do likewise. They changed every major aspect of the ancient Hebrew calendar. They were the source of their own authority, and to this day their successors claim that heaven itself yields to them in this regard. It's a real possibility that the rightful King thinks differently.

“... beware... of the leaven of the Pharisees... all authority has been given to me in heaven and on earth...”

Matthew 16:12; 28:18-20

⁵⁰ Kaufmann Kohler, “AUTHORITY, RABBINICAL,” *Jewish Encyclopedia*, 1906, accessed Oct. 23, 2011, <http://www.jewishencyclopedia.com/articles/2154-authority-rabbinical>.

Closing Thoughts

Many have rightfully observed that Yeshua fulfilled the spring Feasts when he came the first time. On Passover he became our Passover. He sent the Spirit on *Shavu'ot* (Pentecost), the anniversary of the giving of the *Torah*. He began his work on a Sabbatical year and proclaimed himself the fulfillment of the upcoming Jubilee.

The prophecy of his coming in Daniel chapter nine was fulfilled with uncanny accuracy and precision. Messiah came exactly as planned, on predetermined Feast Days and according to a clear-cut and well-defined Sabbatical/Jubilee pattern. Because of this, are we not justified in at least postulating that his return might also be associated with this cycle? Could we not expect the unfulfilled prophecies of his return to be associated with the unfulfilled fall *Mo'adim* as well?

Discovery of the Sabbatical/Jubilee cycle was not merely an academic exercise. Extrapolation of the data into our own time reveals where we are in relation to it and, by way of inference and hypothesis, to Messiah's return. I believe that understanding and keeping the *Mo'adim* will help us prepare for the different aspects of it. While no man can know the day or the hour, there is no passage of Scripture that tells us we cannot know the general timeframe. If the fall Feasts prove to be relevant to it, does it not behoove us to get the days right? Despite what the rabbis say, heaven will not yield to any earthly court in this regard. The Master will use his timeframe to act. I believe he will use his Appointed Times to connect with us as he did when he first appeared. It might be worthwhile to be in sync with his itinerary, don't you think?

If the Jubilee indeed turns out to be significant to his return, then perhaps Daniel's 70th week is not far away. Those familiar with biblical prophecy already associate the last half of that seventieth week with the "Great Tribulation" spoken of by the Master in Matthew chapter twenty-four. In light of the deepening world economic crisis, the ongoing devaluation of money in general, and the movement to digitize the currencies of the world, it is not hard for me to imagine the beastly New World Order coming to life before our very eyes.

Are we close to the end? Is the Sabbatical/Jubilee pattern as significant to his second appearance as it was to his first? Is this next Jubilee the one? Time will tell. Regardless of how it all plays out, we know how it ends, and we will have to face it at some point. Personally, I believe that as his first coming was associated with a Jubilee, so will his second be.

How shall we prepare for what is inevitably coming upon the world? How can we get ready for a time in which we will not be able to buy or sell without the enemy's mark on our hand or forehead (Rev. 13:16-17)? How shall we hide ourselves (Prov. 22:3)? I think the answer is much bigger than we are, and yet it is very simple. The answer is *Torah*, that is, "Instruction," with, among other things, its weekly Sabbath, yearly cycle of Feast Days and dietary guidelines. *Torah* is bigger than we are because it puts us in touch with the King of kings (who is bigger than we are), and we will need his assistance in that time. *Torah* is simple because anyone can do it, and the promises are for those who do.

Blessed is the man whom you discipline, Yah, and teach from your *Torah*, to give him rest from the days of evil, until a pit is dug for the wicked.

Psalms 94:12-13

Times and Appointed Times

Do we want Messiah's support when the evil time comes? Do we want his peace when the world around us is in turmoil, when we are being carted off to prison, when the real persecution starts? Where are the instructions for how to prepare? They are found in *Torah*. Here are a few of the promises. There are many more. The reader can look them up on his own.

This Book of the *Torah* shall not depart from your mouth, but you shall meditate on it day and night, that you may keep doing according to all that is written in it. For then you will make your way successful, and then you will prosper.

Joshua 1:8

Blessed is the man who does not walk not in the counsel of the wicked, or stand in the path of sinners, or sit in the seat of scoffers; but his delight is in the *Torah* of יהוה, and in his *Torah* he meditates day and night. He shall be like a tree planted by streams of water, that bears its fruit in its season, and whose leaf shall not wither; and he makes all he does prosper.

Psalms 1:1-3

The *Torah* of יהוה is perfect, restoring the soul; the testimony of יהוה is faithful, making wise the simple; the commands of יהוה are right, rejoicing the heart; the commandment of יהוה is pure, enlightening the eyes; the fear of יהוה is clean, enduring forever; the judgments of יהוה are truth, they are altogether righteous. They are more desirable than gold, than much fine gold, and they are sweeter than honey, than honey dripping from the combs. Moreover, your servant is warned by them; in keeping them there is great reward.

Psalms 19:7-11

The mouth of the righteous meditates wisdom, and his tongue speaks justice. The *Torah* of his *Elohim* is in his heart; his steps shall not slip.

Psalms 37:30-31

This sounds trite, I know, but the fact of the matter is, following his Instructions pleases him. Don't we want to please him? None of us is perfect, certainly. We live in a compromised world, and we are all compromised in many ways, some of us more than others. We stand in need of grace and mercy from our King. But how shall we have it if we spurn his Instructions? How shall we find his support if we are not trying to please him? Will he come to the aid of those who simply refuse to obey? Relief from the evil days is found in following *Torah* Instructions. How can he grant relief to those who won't follow it?

Do not think that I came to annul the *Torah* or the Prophets; I did not come to annul but to complete. Truly, I say to you, until heaven and earth pass away, not one letter, not one dot shall be abolished from the *Torah* or the Prophets, for all will be fulfilled. Whoever, then, transgresses one word of these commandments and so teaches others, shall be called insignificant in the kingdom of heaven; but whoever fulfills and teaches them shall be called great in the kingdom of heaven.

Matthew 5:17-19 *Shem Tov* Hebrew Text

If Messiah did not come to abolish *Torah*, then it is not abolished. End of discussion. All theological arguments to the contrary are meaningless. Have heaven and

earth passed away? Then neither has *Torah*. It is still valid and in force and profitable for doctrine, for reproof, for correction, and for training in righteousness (2 Tim. 3:16). We would do well to learn to live by it. Through following it, may we lay hold of the hope of finding the King's favor and obtaining his provision in the coming days. If we are to die for our faith, let us die trying to please him.

And the dragon was enraged with the woman, and went off to make war with the rest of her seed, who keep the commandments of *Elohim* and hold to the testimony of Yeshua the Messiah... Here is the patience of the holy ones; here are those who keep the commandments of *Elohim* and the faith of Yeshua... Blessed are those who do his commandments, that they may have the right to the tree of life, and may enter the city through the gates.

Revelation 12:17; 14:12; 22:14

שמע ישראל יהוה אלהינו יהוה אחד
ברוך שם כבוד מלכותו לעולם ועד

Resources

- Aling, Charles F. "THE SPHNX STELE OF THUTMOSE IV AND THE DATE OF THE EXODUS." *JETS* 22/2 (June 1979): 97-101.
https://www.etsjets.org/files/JETS-PDFs/22/22-2/22-2-pp097-101_JETS.pdf
- Allen, W. Sidney. *Vox Latina: A Guide to the Pronunciation Of Classical Latin*. Cambridge: Cambridge University Press, 1978.
- Argubright, John. "Esther & Mordecai." *BibleHistory.net*. (2011).
<http://www.biblehistory.net/newsletter/Esther-Mordecai.htm>
- Associates For Biblical Research. "THE GENESIS 5 AND 11 GENEALOGY AND CHRONOLOGY RESEARCH PROJECT." Accessed Dec. 11, 2022.
<https://biblearchaeology.org/abr-projects/genesis-5-11-project>
- Atchison, Wayne L. *The Elephantine Letters*. (November 2002).
<https://sermons.faithlife.com/sermons/10186-the-elephantine-letters-by-wayne-atchison>
- Baarda, T.; Unnik, W. C.; Klijn, Albertus Frederik Johannes. *Miscellanea Neotestamentica*. Leiden: E. J. Brill, 1978.
- Bromberg, Irv. "The 353-Year Leap Cycle of the Rectified Hebrew Calendar." *Symmetry* 454. (June 22, 2011).
<http://individual.utoronto.ca/kalendis/hebrew/rect.htm#353>
- . "The Kalendis Calendar Calculator." *Symmetry* 454. (Nov. 13, 2010).
<http://individual.utoronto.ca/kalendis/kalendis.htm>
- . "The Seasonal Drift of the Traditional (Fixed Arithmetic) Hebrew Calendar." *Symmetry* 454. (May 9, 2011).
<http://individual.utoronto.ca/kalendis/hebrew/drift.htm>
- Cowing, Keith. "Possible Earth impact in 2030 by asteroid 2000 SG344 No Longer a Concern." (November 3, 2000). <https://spaceref.com/uncategorized/possible-earth-impact-in-2030-by-asteroid-2000-sg344-no-longer-a-concern/>
- "Daniel Chapter 11." *Daniel Bible Prophecy*. (October 23, 2011).
<http://www.danielbibleprophecy.org/daniel11.html>
- Davidson, Benjamin. *The Analytical Hebrew and Chaldee Lexicon*. Peabody: Hendrickson Publishers, Inc., 1982.
- Derstine, Philip. "The Start of the Egyptian Lunar Month in Light of Early Eighteenth Dynasty Sothic and Lunar Dates." *Göttinger Miszellen* 249 (January 2016): 39-57.
https://www.researchgate.net/publication/308794077_The_Start_of_the_Egyptian_Lunar_Month_in_Light_of_Early_Eighteenth_Dynasty_Sothic_and_Lunar_Dates_Gottinger_Miszellen_249_2016_39-57
- Dryden, John. "Plutarch: Romulus." *The Internet Classics Archive*. Edited by John Dryden. (2009). <http://classics.mit.edu/Plutarch/romulus.html>
- Dumond, Joseph. "The Truth that Chanukah Hides." *Sighted Moon.com*. (December 12, 2009). http://www.sightedmoonnl.com/?page_id=571

- “eclipse.” *Encyclopædia Britannica Online*. (2011).
<http://www.britannica.com/EBchecked/topic/178098/eclipse/11224/Uses-of-eclipses-for-chronological-purposes>
- Espenak, Fred and Robert Candey. “Javascript Lunar Eclipse Explorer.” *NASA Eclipse Web Site*. (May 31, 2007). <http://eclipse.gsfc.nasa.gov/JLEX/JLEX-AS.html>
- . “Total Solar Eclipse of -755 January 31.” *NASA Eclipse Web Site*. (Sept. 15, 2009). <http://eclipse.gsfc.nasa.gov/SEsearch/SEsearchmap.php?Ecl=-07550131>
- Even-Shoshan, Avraham. *HaMilon HeChadash המילון החדש*. Jerusalem: Kiryat Sefer, 1985.
- First, Mitchell. *Jewish History in Conflict*. Northvale: Jason Aronson Inc., 1997.
- Frazer, J. G. *ADONIS ATTIS OSIRIS: STUDIES IN THE HISTORY OF ORIENTAL RELIGION*. New York: Cambridge University Press, 1914.
<https://iif.wellcomecollection.org/pdf/b31346510>
- Gesenius, William. *Hebrew and Chaldee Lexicon*. Translated by Samuel Prideaux Tregelles. Grand Rapids: Erdmans, 1974.
- . *Hebrew Grammar*. Edited by A. E. Cowley. Translated by E. Kautzsch. Oxford: Oxford University Press, 1983.
- Global Lunar Crescent Visibility Maps Based on the Yallop Algorithm. (May, 2022).
https://webspace.science.uu.nl/~gent0113/islam/islam_lunvis_method.htm
- Gordon, Nehemia. “Abib (Barley).” *Karaite Korner*. (April 11, 2011).
<http://www.karaite-korner.org/abib.shtml>
- . “Karaite Korner Newsletter #218: New Moon Report - June 2005 - Fourth biblical Month.” *Karaite Korner*. (June 7, 2005).
http://groups.yahoo.com/group/karaite_korner_news/message/237
- . “Karaite Korner Newsletter #33: New Moon Report: April 2000.” *Karaite Korner*. (April 15, 2000).
http://groups.yahoo.com/group/karaite_korner_news/message/37
- . “New Moon Report: Crescent New Moon Sightings: Archives: Karaite Korner Newsletter, New Moon Report, June 1999.” *Karaite Korner*. (June 15, 1999).
http://www.karaite-korner.org/new_moon/index.html
- Gruber, Daniel. *Rabbi Akiba's Messiah: The Origins of Rabbinic Authority*. Hanover: Elijah Publishing, 1999.
- Ha-Levi, Elimelech David. “Jewish History Timelines—Chronology—Dates—Judaism.” *Jewish Calendar—Hebrew Calendar*. (2011).
<http://www.angelfire.com/pa2/passover/jewish-history-timeline.html>
- Hansen, James E. “Time and Date of Vernal Equinox.” *NASA GISS*. (December 1, 2006).
<http://aom.giss.nasa.gov/srvernal.html>
- Hoffman, Roy. “Software: LunaCal 4.0.” *The Israeli New Moon Society*. (October 11, 2011). <http://chem.ch.huji.ac.il/nmr/foo/lunacal4.0/publish.htm>

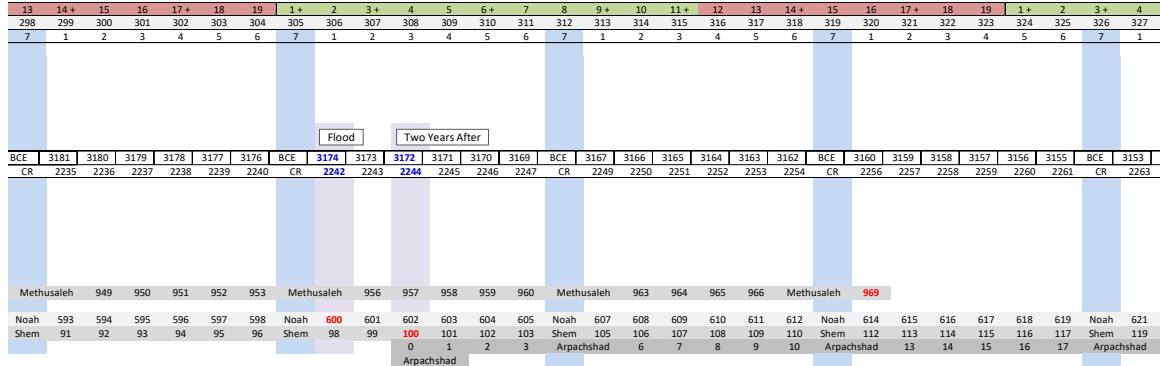
- . “Software: LunaCal 2.1.” *The Israeli New Moon Society*. (2002).
http://www.geocities.ws/royh_il/software.htm
- . “Sightings: Tables of New and Old Moon Observations.” *The Israeli New Moon Society*. (Feb. 21, 2011). <http://sites.google.com/site/moonsoc/sightings>
- Homann, Uwe. “Sirius & Precession of the Solstice: 6000 Years of Intercalation and Inundation.” (July, 2005). https://www.tychos.info/citation/146D_Sirius-Precession-of-Solstice.pdf
- Howard, George. *Hebrew Gospel of Matthew*. Macon: Mercer University Press, 1995.
- Jastrow, Marcus. *A Dictionary of the Targum, the Talmud Babli and Yerushalmi, and the Midrashic Literature*. Peabody: Hendrickson Publishers, 2005.
- “Jewish Publishing, The Legacy of Sumeria and Babylonia: Jewish Literature.” *New Age World Publishing*. (1996).
http://www.nawpublishing.com/expansionpages/ephemera/jewish_publishing.htm
- Jones, Floyd Nolan. *The Chronology of the Old Testament*. Green Forest: Master Books, 2005.
- Jonsson, Carl Olof. “A critical review of Rolf Furuli’s 2nd volume on chronology: Part I: The astronomical ‘diary’ VAT 4956.” (2007).
<http://kristenfrihet.se/kf2/review.htm>
- Kittel, R., ed. *Biblia Hebraica Stuttgartensia*. Stuttgart: Deutsche Bibelgesellschaft, 1977.
- Kohler, Kaufmann., “AUTHORITY, RABBINICAL.” *Jewish Encyclopedia*. 1906.
Accessed Oct. 23, 2011. <http://www.jewishencyclopedia.com/articles/2154-authority-rabbinical>
- Liddell, Henry George and Robert Scott. *An Intermediate Greek-English Lexicon*. Oxford: The Clarendon Press, 1996.
- Lietuviētis, Vilis I. “Summer Solstice-Synchronous Sothic Calendar Confirms Early 18th Dynasty High Chronology: Six Sothic-Dated Pharaonic Accessions Used Full Moon-Signed Accession Days, + Absolutely Dates Hyksos Avaris Fall to May/June 1559 BC Final Edition.” (April, 2020).
https://www.academia.edu/42757764/Summer_Solstice_Synchronous_Sothic_Calendar_Confirms_Early_18th_Dynasty_High_Chronology_Six_Sothic_Dated_Pharaonic_Accessions_Used_Full_Moon_Signed_Accession_Days_Absolutely_Dates_Hyksos_Avaris_Fall_to_May_June_1559_BC_Final_Edition_16_April_2020
- Lobert, Rich. “Choose Your Barley - Part 1: The Barley/ Equinox Question.” *The Truth of Yahweh*. (2002). <http://truthofyahweh.org/barl2002.html>
- McHugh, Michael P. “The Pharaoh of the Exodus and the Egyptian Calendar.” (2023).
<https://www.facebook.com/groups/1901266746670190/files/files>
- Murnane, William J. *ANCIENT EGYPTIAN CO-REGENCIES*. Chicago: The University of Chicago, 1977.
<https://isac.uchicago.edu/sites/default/files/uploads/shared/docs/saoc40.pdf>

- Onvlee, Ian. “New Insights on Dating Thuthmosis III.” (3 August 2013).
https://www.academia.edu/4161782/New_Insights_on_Dating_Thuthmosis_III_of_Egypt
- . “Redating the Founders of Dynasty 18.” (14 August 2014).
https://www.academia.edu/4252908/Redating_the_Founders_of_18th_Dynasty_Egypt
- . “Redating the Early 18th Dynasty.” (4 August 2013).
https://www.academia.edu/4231173/Redating_the_Early_18th_Dynasty_of_Egypt
- Parker, Richard A. *THE CALENDARS OF ANCIENT EGYPT*. Chicago: The University of Chicago Press, 1950.
- Parker, Richard A. and Dubberstein, Waldo H. *Babylonian Chronology 626 B.C – A.D. 45*. Chicago: University of Chicago Press, 1942.
- . *Babylonian Chronology 626 B.C – A.D. 75*. Eugene: Wipf and Stock Publishers, 2007.
- Parkhurst, John. *A Greek and English Lexicon to the New Testament*. London: T. Davison, Whitefriars, 1809.
- Pedersen, Olaf. “A Survey of the Almagest.” (1974).
https://www.caeno.org/www.caeno.org/pdf/Pedersen_Nabonassar%20Ptolemy%20observations.pdf
- Petrovich, Douglas. “AMENHOTEP II AND THE HISTORICITY OF THE EXODUS-PHARAOH.” *TMSJ* 17/1 (Spring 2006): 81-110.
<blob:https://acrobat.adobe.com/e971fcc4-fe0c-494d-a3ec-182b618431fb>
- Poole, Reginald Stuart. *HORÆ ÆGYPTIACÆ: The Chronology of Ancient Egypt*. London: John Murray, 1851.
https://books.googleusercontent.com/books/content?req=AKW5QafiAeifBGBsU1K0MkpIW_ARuDqQASqAhliUfTwmOBjiK2xUaom1kzeu-Z6Vnq5tAasaP1fc3rcbRpvCmo-KYyYS2F4N9JH9QxUw_t5klx4E4y3W-wA89NFBmOhh-T6uASIdJvWnmPHah1RmWrYV7Z8xaZZzkvpyBS0_v9efCweVcL9x5d6V8l6lRa2k6b2O5GxXrh76rFyYRrKKg3gvp73NeVVRHMPAfVIV6l7nwWxcWDJkWRZ5aChsubbFFOtjfyxAbxfvzHh54MYYMJ5oMNa8tYSfyA
- Porten, Bezalel. *THE ELPHANTINE PAPYRI IN ENGLISH: THREE MILLENNIA OF CROSS-CULTURAL CONTINUITY AND CHANGE*. Leiden, New York, Koln: E. J. Brill, 1996. https://kupdf.net/download/bezalel-porten-the-elephantine-papyri-in-english_599cb311dc0d60bc7c53a1f6_pdf
- Solinsky, Herb. *Barley and Calendar*, Tenth edition. (July 23, 2018).
http://www.biblicalcalendar.org/Barley_and_Calendar.pdf
- Stefanovic, Zdravko. *Daniel: Wisdom to the Wise: Commentary on the Book of Daniel*. Nampa: Pacific Press Publishing, 2007.
- Stellarium. <https://stellarium.org/>
- STEP Bible. “Samaritan Pentateuch.” <https://www.stepbible.org/version.jsp?version=SP>
- . “Septuagint.” <https://www.stepbible.org/version.jsp?version=LXX>

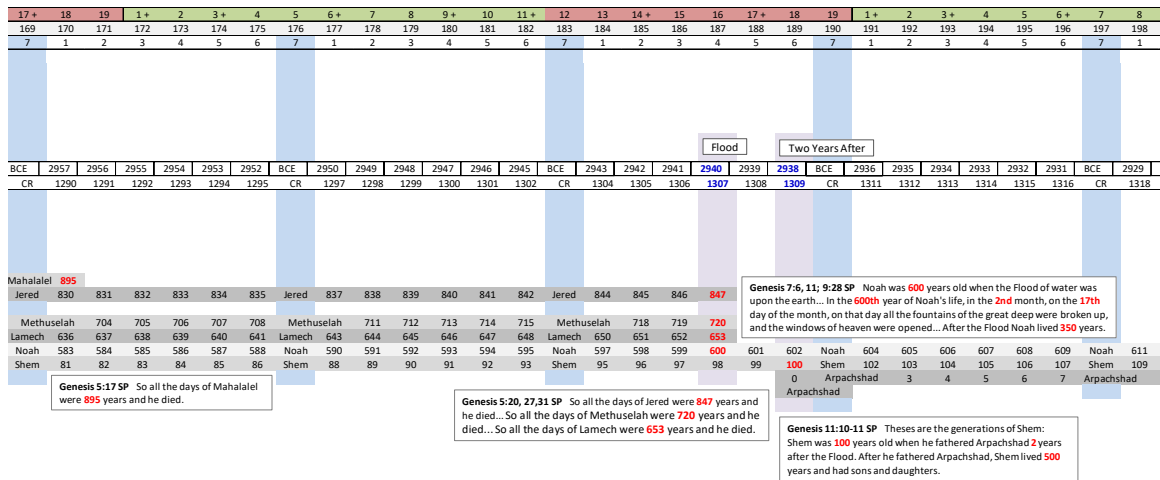
- “The Acts of the Apostles: Chapter 14.” *Latin Vulgate*.
<http://www.latinvulgate.com/verse.aspx?t=1&b=5&c=14>
- Thiele, Edwin Richard. *The Mysterious Numbers of the Hebrew Kings*. Grand Rapids: Zondervan, 1983.
- Toomer, G. J. *Ptolmey's ALMAGEST*. London: Gerald Duckworth & Co. Ltd., 1984.
https://classicalliberalarts.com/resources/PTOLEMY_ALMAGEST_ENGLISH.pdf
- TorahCalendar.com. “The 24 Priestly Courses.” (2022).
<https://torahcalendar.com/PDF/24PriestlyCourses.pdf>
- Tors, John. “A CALL FOR SERIOUS EVANGELICAL APOLOGETICS: The Authenticity of John 7:53-8:11 as a Case Study.” *Truth in My Days*. (2015).
<https://truthinmydays.com/a-call-for-serious-evangelical-apologetics-the-authenticity-of-john-753-811-as-a-case-study/>
- Votaw, Clyde Weber. “The Chronology of Jesus’ Public Ministry.” *The Biblical World*, vol. 26, no. 6, 1905, pp. 425–30. Accessed September 4, 2022.
<http://www.jstor.org/stable/3140872>
- Whiston, William. “Antiquities of the Jews—Book 17.” *The Works of Flavius Josephus*.
http://www.ccel.org/j/josephus/works/ant-17.htm#EndNote_ANT_17.12b
- . “The Wars of the Jews—Preface.” *The Works of Flavius Josephus*.
<http://www.ccel.org/j/josephus/works/war-pref.htm>
- Williams, Joshua. “The Biblical Calendar | Daring Theology.” (2014-2023).
<http://daringtheology.com/biblical-calendar>

Appendix 1 – Year of the Flood

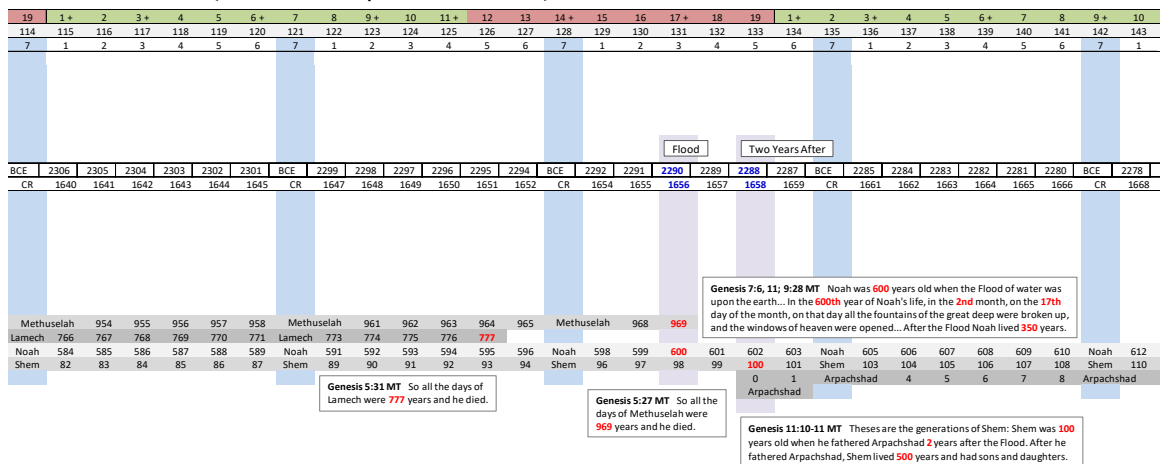
Flood – LXX (2242 CR | 3174 BCE)



Flood – SP (1307 CR | 2940 BCE)



Flood – MT (1656 CR | 2290 BCE)



1. MT Genesis 11 | 2290 BCE

1 - Nisan 1656

1	2	3	4	5	6	שבת
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	29
20	21	22	23	24	25	26
27	28	29	30			

Julian Dates Apr - May 2290 BCE

1	2	3	4	5	6	שבת
		12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
1	2	3	4	5	6	7
8	9	10	11			

2 - Ziv 1656

1	2	3	4	5	6	שבת
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Julian Dates May - Jun 2290 BCE

1	2	3	4	5	6	שבת
				12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	

14 Days

3 - Sivan 1656

1	2	3	4	5	6	שבת
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

Julian Dates Jun - Jul 2290 BCE

1	2	3	4	5	6	שבת
						11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

29 Days

4 - Tammuz 1656

1	2	3	4	5	6	שבת
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Julian Dates Jul - Aug 2290 BCE

1	2	3	4	5	6	שבת
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6
7	8					

30 Days

5 - Av 1656

1	2	3	4	5	6	שבת
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	29
20	21	22	23	24	25	26
27	28	29	30			

Julian Dates Aug - Sep 2290 BCE

1	2	3	4	5	6	שבת
			9	10	11	12
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7			

30 Days

6 - Elul 1656

1	2	3	4	5	6	שבת
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

Julian Dates Sep - Oct 2290 BCE

1	2	3	4	5	6	שבת
				8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6		

29 Days

7 - Tishri 1656

1	2	3	4	5	6	שבת
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	

Julian Dates Oct - Nov 2290 BCE

1	2	3	4	5	6	שבת
						7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

17 Days

Total Days: 149

2. SP Genesis 11 | 2940 BCE

1 - Nisan 1656							Julian Dates Apr - May 2940 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
			1	2	3	4				27	28	29	30
5	6	7	8	9	10	11	1	2	3	4	5	6	7
12	13	14	15	16	17	18	8	9	10	11	12	13	14
19	20	21	22	23	24	25	15	16	17	18	19	20	21
26	27	28	29				22	23	24	25			

2 - Ziv 1656							Julian Dates May - Jun 2940 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
				1	2	3					26	27	28
4	5	6	7	8	9	10	29	30	31	1	2	3	4
11	12	13	14	15	16	17	5	6	7	8	9	10	11
18	19	20	21	22	23	24	12	13	14	15	16	17	18
25	26	27	28	29	30		19	20	21	22	23	24	

3 - Sivan 1656							Julian Dates Jun - Jul 2940 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
						1							25
2	3	4	5	6	7	8	26	27	28	29	30	1	2
9	10	11	12	13	14	15	3	4	5	6	7	8	9
16	17	18	19	20	21	22	10	11	12	13	14	15	16
23	24	25	26	27	28	29	17	18	19	20	21	22	23
30							24						

4 - Tammuz 1656							Julian Dates Jul - Aug 2940 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
1	2	3	4	5	6	7	25	26	27	28	29	30	31
8	9	10	11	12	13	14	1	2	3	4	5	6	7
15	16	17	18	19	20	21	8	9	10	11	12	13	14
22	23	24	25	26	27	28	15	16	17	18	19	20	21
29	30						22	23					

5 - Av 1656							Julian Dates Aug - Sep 2940 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
1	2	3	4	5	6	7	24	25	26	27	28	29	30
8	9	10	11	12	13	14	1	2	3	4	5	6	7
15	16	17	18	19	20	21	8	9	10	11	12	13	14
22	23	24	25	26	27	28	15	16	17	18	19	20	21
29	30						22	23	24	25	26	27	28

6 - Elul 1656							Julian Dates Sep - Oct 2940 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
						1							23
2	3	4	5	6	7	8	25	26	27	28	29	30	1
9	10	11	12	13	14	15	2	3	4	5	6	7	8
16	17	18	19	20	21	22	9	10	11	12	13	14	15
23	24	25	26	27	28	29	16	17	18	19	20	21	22

7 - Tishri 1656							Julian Dates Oct - Nov 2940 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
						1							22
2	3	4	5	6	7	8	23	24	25	26	27	28	29
9	10	11	12	13	14	15	30	31	1	2	3	4	5
16	17	18	19	20	21	22	6	7	8	9	10	11	12
23	24	25	26	27	28	29	13	14	15	16	17	18	19
30							20						

Total Days: **150**

Appendix 2 – The Ezra Calendar

The regions of Babylon, Jerusalem and Elephantine were all using the same calendar in the days of Ezra and Nehemiah.⁵¹ The Parker/Dubberstein tables reflect its use as far back as 500 BCE. Its rules can be summarized as follows:

1. At the beginning of year one in the nineteen-year cycle, whenever the first of the month falls one day before the equinox, it is ALWAYS delineated as the new moon of the new year – *Nisan*.
2. At the end of any other year, when the first day of the new month falls one day before the equinox, it is NEVER delineated as the new moon of the new year – *Nisan*; it is ALWAYS delineated as the last new moon of an intercalated year – *Adar 2*. This phenomenon is most noticeable in year eleven of the cycle.⁵²
3. The last new moon of an intercalated year NEVER starts on or after the equinox.

These rules manifest a calendar vastly different from the ones that both preceded and followed it. Unlike the Babylonian and early Persian models, the Ezra scheme exhibits a new year which never started more than one day before the vernal equinox. A fixed, mathematically precise nineteen-year cycle is evident throughout the remaining years of Persian rule. Furthermore, the data indicates that the eleven-year adjustment described by Dr. Bromberg was known and implemented at that time.

There are two places in *Babylonian Chronology* where that adjustment should have been made, but was not. The first is 313-302 BCE. The Greeks were evidently unaware of its intercalation scheme. Normally, the eleventh year of the regular 19-year cycle has a thirteenth month. The eleventh year of the 11-year adjustment does not. They continued the previously established nineteen-year pattern and intercalated the eleventh year as though it was part of a regular 19-year cycle.

The result is a marked shift in the data. For the next three hundred and fifty-three years every nineteenth year in the cycle had an added thirteenth month where there were none in the preceding 353-year cycle. In the vast majority of instances that thirteenth month also began on or after the equinox, something else which never occurred in the preceding cycle.

The second place the adjustment should have occurred and did not is 41-52 CE. At this point both the eighth and nineteenth years have intercalations where they should not have been. The following tables contain the Parker/Dubberstein data, rearranged to reflect these historical deviations from the Ezra Criteria. They appear as red squares with bold white dates which *Babylonian Chronology* gives for the actual beginnings of years. Blue squares with white numbers are simply to draw attention to the equinox data.⁵³

What is the source of this unique calendar scheme and to what do we owe its appearance on the world stage? When it was no longer used internationally, was there

⁵¹ Atchison, *Elephantine Letters*, p. 9.

⁵² The data was compiled using Dr. Bromberg's *Kalendis* program in conjunction with Parker and Dubberstein's *Babylonian Chronology*.

⁵³ Dr. Bromberg's *Kalendis* program was used to ascertain the equinoxes.

Times and Appointed Times

another group of people who understood its rules and continued to use it? Could it be the original Hebrew Calendar? And could its official adoption by the Persians have had anything to do with the favorable relations between Persia and Jerusalem at the time? I believe the answer is, “Yes,” to those questions. Artaxerxes authorized Ezra to take *Torah* to “all the people beyond the River.” Did Ezra the priest have nothing to say about calendar issues and the keeping of the Feasts? Did he have no opinion about when to start the year? The fact that Jerusalem, Elephantine, and Babylon were all using the same calendar during the time of Ezra is, I believe, testimony to both the scope of his influence and his *Torah* perspective regarding the start of the year.

For Ezra had prepared his heart to study the *Torah* of יהוה, and to do it, and to teach its laws and judgments in Israel.

Ezra 7:10

Appendix 2 – The Ezra Calendar

Year	BCE	1-Nisan	2-Ziv	3-Sivan	4-Tammuz	5-Av	6-EIul	7-Tishri	8-Heshvan	9-Kislev	BCE/CE	10-Tevet	BCE/CE	11-Shvat	12-Adar	13-Adar 2	19 Yr	353	Equinox
656		4/7	5/6	6/4	7/4	8/2	9/1	10/1	10/31	11/29		12/29	655	1/27	2/26		11	353	3/28
655		3/27	4/26	5/25	6/23	7/23	8/21	9/20	10/20	11/18		12/18	654	1/16	2/15	3/17	1+	1	3/28
654		4/15	5/14	6/13	7/12	8/11	9/10	10/9	11/8	12/7	653	1/5	2/4	3/5			2	2	3/27
653		4/3	5/3	6/1	7/1	7/31	8/29	9/28	10/27	11/25		12/24	652	1/23	2/22	3/23	3+	3	3/27
652		4/22	5/22	6/20	7/20	8/19	9/18	10/17	11/15	12/14	651	1/12	2/11	3/12			4	4	3/28
651		4/11	5/11	6/9	7/9	8/8	9/7	10/6	11/5	12/4	650	1/2	2/1	3/2			5	5	3/28
650		3/31	4/30	5/29	6/28	7/28	8/27	9/26	10/25	11/23		12/23	649	1/21	2/20	3/19	6+	6	3/27
649		4/18	5/18	6/16	7/16	8/15	9/14	10/13	11/12	12/11	648	1/10	2/8	3/10			7	7	3/27
648		4/8	5/7	6/6	7/5	8/4	9/3	10/2	10/31	11/30		12/30	647	1/29	2/27		8	8	3/28
647		3/29	4/27	5/26	6/25	7/24	8/23	9/21	10/20	11/19	646	12/19	1/18	2/17	3/18		9+	9	3/28
646		4/17	5/16	6/14	7/14	8/12	9/10	10/10	11/8	12/8	645	1/7	2/6	3/6			10	10	3/27
645		4/5	5/4	6/3	7/2	8/1	8/30	9/28	10/28	11/26		12/26	644	1/25	2/23	3/25	11+	11	3/27
644		4/24	5/23	6/22	7/21	8/20	9/18	10/17	11/16	12/15	643	1/14	2/12	3/14			12	12	3/28
643		4/13	5/12	6/11	7/11	8/9	9/8	10/7	11/5	12/5	642	1/3	2/2	3/2			13	13	3/28
642		4/2	5/1	5/31	6/30	7/29	8/28	9/26	10/26	11/25		12/24	641	1/23	2/21	3/21	14	14	3/27
641		4/20	5/19	6/18	7/17	8/16	9/15	10/15	11/13	12/13	640	1/11	2/10	3/11			15	15	3/27
640		4/9	5/9	6/7	7/6	8/5	9/4	10/4	11/3	12/3	639	1/1	1/30	3/1			16	16	3/28
639		3/30	4/28	5/28	6/26	7/25	8/24	9/23	10/23	11/22		12/21	638	1/20	2/18	3/20	17+	17	3/28
638		4/18	5/17	6/16	7/15	8/13	9/12	10/12	11/11	12/10	637	1/9	2/7	3/8			18	18	3/27
637		4/7	5/6	6/4	7/4	8/2	9/1	9/30	10/30	11/28		12/28	636	1/26	2/25		19	19	3/27
636		3/27	4/25	5/24	6/23	7/23	8/21	9/20	10/20	11/18		12/17	635	1/15	2/14	3/16	1+	20	3/28
635		4/14	5/14	6/13	7/12	8/11	9/10	10/9	11/7	12/7	634	1/5	2/3	3/5			2	21	3/28
634		4/3	5/3	6/2	7/1	7/31	8/30	9/29	10/28	11/26		12/25	633	1/24	2/22	3/23	3+	22	3/27
633		4/21	5/21	6/19	7/20	8/19	9/17	10/17	11/15	12/14	632	1/12	2/11	3/12			4	23	3/27
632		4/11	5/10	6/9	7/8	8/8	9/7	10/6	11/4	12/4	631	1/2	2/1	3/2			5	24	3/28
631		3/31	4/30	5/29	6/28	7/28	8/26	9/25	10/24	11/23		12/23	630	1/21	2/20	3/21	6+	25	3/28
630		4/19	5/19	6/17	7/17	8/15	9/14	10/13	11/12	12/12	629	1/10	2/9	3/10			7	26	3/27
629		4/8	5/7	6/6	7/5	8/4	9/2	10/1	10/31	11/30		12/29	628	1/28	2/27		8	27	3/28
628		3/28	4/27	5/26	6/25	7/24	8/22	9/21	10/20	11/19		12/18	627	1/17	2/16	3/18	9+	28	3/28
627		4/16	5/16	6/14	7/14	8/12	9/10	10/10	11/8	12/8	626	1/7	2/5	3/7			10	29	3/28
NABOPOLOSSAR																			
Ac	626	4/5	5/5	6/4	7/3	8/2	8/31	9/29	10/29	11/27		12/27	625	1/25	2/24	3/24	11+	30	3/27
1	625	4/23	5/23	6/21	7/21	8/19	9/18	10/18	11/16	12/16	624	1/14	2/12	3/14			12	31	3/27
2	624	4/12	5/12	6/10	7/10	8/9	9/7	10/7	11/6	12/5	623	1/4	2/2	3/3			13	32	3/27
3	623	4/2	5/1	5/31	6/29	7/29	8/27	9/26	10/26	11/25		12/24	622	1/23	2/21	3/22	14+	33	3/28
4	622	4/21	5/20	6/18	7/18	8/16	9/15	10/15	11/14	12/13	621	1/12	2/11	3/11			15	34	3/27
5	621	4/9	5/9	6/7	7/6	8/5	9/3	10/3	11/2	12/2	620	1/1	1/30	3/1			16	35	3/27
6	620	3/30	4/28	5/28	6/26	7/25	8/24	9/22	10/22	11/21		12/21	619	1/19	2/18	3/19	17+	36	3/27
7	619	4/18	5/17	6/16	7/15	8/13	9/12	10/12	11/10	12/10	618	1/8	2/7	3/8			18	37	3/28
8	618	4/7	5/7	6/5	7/5	8/3	9/1	10/1	10/31	11/29		12/28	617	1/27	2/25		19	38	3/27
9	617	3/26	4/25	5/24	6/23	7/23	8/21	9/20	10/19	11/18		12/17	616	1/15	2/15	3/15	1+	39	3/27
10	616	4/14	5/13	6/12	7/12	8/11	9/9	10/9	11/7	12/7	615	1/5	2/3	3/5			2	40	3/27
11	615	4/3	5/3	6/1	7/1	7/31	8/30	9/28	10/28	11/26		12/26	614	1/24	2/22	3/24	3+	41	3/28
12	614	4/22	5/21	6/20	7/20	8/19	9/18	10/17	11/16	12/15	613	1/13	2/12	3/12			4	42	3/27
13	613	4/11	5/10	6/8	7/8	8/7	9/5	10/5	11/4	12/3	612	1/2	1/31	3/2			5	43	3/27
14	612	3/31	4/30	5/29	6/27	7/27	8/26	9/24	10/24	11/22		12/22	611	1/21	2/19	3/21	6+	44	3/27
15	611	4/19	5/19	6/17	7/16	8/15	9/13	10/13	11/11	12/11	610	1/10	2/9	3/10			7	45	3/28
16	610	4/9	5/8	6/7	7/6	8/5	9/3	10/2	11/1	11/30		12/30	609	1/29	2/27		8	46	3/27
17	609	3/28	4/27	5/26	6/25	7/24	8/23	9/21	10/20	11/19		12/18	608	1/17	2/15	3/17	9+	47	3/27
18	608	4/16	5/15	6/14	7/14	8/12	9/10	10/10	11/8	12/8	607	1/6	2/5	3/6			10	48	3/27
19	607	4/5	5/4	6/3	7/3	8/1	8/31	9/29	10/29	11/27		12/27	606	1/25	2/24	3/25	11+	49	3/28
20	606	4/24	5/23	6/22	7/21	8/20	9/19	10/18	11/17	12/17	605	1/15	2/13	3/14			12	50	3/28
21	605	4/12	5/11	6/10	7/9	8/8	9/7	10/7	11/5	12/5	604	1/4	2/2	3/3			13	51	3/27
NEBUCHADNEZZAR 2																			
1	604	4/2	5/1	5/30	6/29	7/28	8/27	9/26	10/25	11/24		12/24	603	1/23	2/21	3/22	14+	52	3/27
2	603	4/21	5/20	6/18	7/17	8/16	9/15	10/15	11/13	12/13	602	1/12	2/10	3/12			15	53	3/28
3	602	4/10	5/10	6/8	7/7	8/6	9/4	10/4	11/3	12/2	601	1/1	1/30	2/29			16	54	3/27
4	601	3/30	4/28	5/28	6/26	7/25	8/24	9/22	10/22	11/21		12/20	600	1/19	2/17	3/19	17+	55	3/27
5	600	4/17	5/17	6/15	7/15	8/13	9/11	10/10	11/9	12/9	599	1/8	2/6	3/7			18	56	3/27
6	599	4/6	5/6	6/5	7/4	8/3	9/2	10/1	10/31	11/29		12/28	598	1/27	2/25		19	57	3/28
7	598	3/27	4/25	5/25	6/23	7/23	8/22	9/21	10/20	11/19		12/18	597	1/16	2/15	3/15	1+	58	3/27
8	597	4/13	5/13	6/11	7/11	8/10	9/9	10/9	11/7	12/6	596	1/5	2/3	3/5			2	59	3/27
9	596	4/3	5/2	6/1	6/30	7/30	8/29	9/28	10/28	11/26		12/25	595	1/24	2/22	3/24	3+	60	3/27
10	595	4/22	5/21	6/20	7/19	8/18	9/17	10/16	11/15	12/15	594	1/13	2/12	3/13			4	61	3/28
11	594	4/12	5/11	6/9	7/9	8/7	9/6	10/6	11/4	12/4	593	1/2	2/1	3/2			5	62	3/27
12	593	3/31	4/30	5/29	6/27	7/27	8/25	9/24	10/23	11/22		12/21	592	1/20	2/19	3/21	6+	63	3/27
13	592	4/19	5/19	6/17	7/17	8/15	9/13	10/13	11/11	12/10	591	1/9	2/8	3/10			7	64	3/27
14	591	4/8	5/8	6/7	7/6	8/5	9/4	10/2	11/1	11/30		12/19	590	1/28	2/27		8	65	3/27
15	590	3/28	4/27	5/27	6/25	7/25	8/23	9/22	10/21	11/20		12/19	589	1/18	2/16	3/16	9+	66	3/27
16	589	4/15	5/15	6/13	7/13	8/11	9/10	10/10	11/8	12/8	588	1/6	2/5	3/6			10	67	3/27
17	588	4/4	5/4	6/2	7/2	7/31	8/30	9/29	10/29	11/27		12/27	587	1/25	2/24	3/25	11+	68	3/27
18	587	4/23	5/23	6/21	7/21	8/19	9/18	10/18	11/17	12/16	586	1/15	2/13	3/15			12	69	3/27
19	586	4/13	5/12	6/11	7/10	8/8	9/7	10/7	11/6	12/6	585	1/4	2/3	3/3			13	70	3/27
20	585	4/2	5/1	5/30	6/29	7/28	8/26	9/25	10/25	11/24		12/23	584	1/22	2/21	3/22	14+	71	3/27
21	584	4/21	5/20	6/18	7/18	8/16	9/14												

Times and Appointed Times

Year	BCE	1-Nisan	2-Ziv	3-Sivan	4-Tammuz	5-Av	6-EIul	7-Tishri	8-Heshvan	9-Kislev	BCE/CE	10-Tevet	BCE/CE	11-Shvat	12-Adar	13-Adar 2	19 Yr	353	Equinox
AMEL-MARDUK																			
1	561	4/6	5/5	6/3	7/3	8/2	9/1	10/1	10/30	11/29		12/28	560	1/27	2/25		19	95	3/27
2	560	3/26	4/24	5/24	6/22	7/22	8/21	9/20	10/20	11/18		12/18	559	1/16	2/15	3/16	1+	96	3/27
NERGAL-SHAR-USUR																			
1	559	4/4	5/14	6/12	7/11	8/10	9/9	10/9	11/1	12/7	558	1/5		2/4	3/5		2	97	3/27
2	558	4/4	5/3	6/2	7/1	7/31	8/29	9/28	10/27	11/26		12/25	557	1/24	2/23	3/23	3+	98	3/26
3	557	4/22	5/21	6/20	7/19	8/18	9/16	10/15	11/14	12/13	556	1/12		2/11	3/12		4	99	3/27
4	556	4/11	5/11	6/9	7/9	8/7	9/6	10/5	11/3	12/3	555	1/1		1/30	3/1		5	100	3/27
NABUNAJD																			
1	555	3/31	4/30	5/30	6/28	7/28	8/26	9/25	10/24	11/22		12/22	554	1/20	2/19	3/20	6+	101	3/27
2	554	4/19	5/19	6/17	7/17	8/15	9/14	10/14	11/12	12/11	553	1/10		2/8	3/9		7	102	3/26
3	553	4/7	5/7	6/5	7/5	8/3	9/2	10/2	10/31	11/30		12/29	552	1/28	2/26		8	103	3/27
4	552	3/28	4/26	5/25	6/24	7/23	8/22	9/21	10/21	11/19		12/19	551	1/18	2/16	3/17	9+	104	3/27
5	551	4/16	5/15	6/13	7/13	8/11	9/10	10/10	11/8	12/8	550	1/7		2/6	3/7		10	105	3/27
6	550	4/5	5/5	6/3	7/2	8/1	8/30	9/29	10/29	11/27		12/27	549	1/26	2/24	3/25	11+	106	3/26
7	549	4/23	5/23	6/21	7/20	8/19	9/17	10/17	11/16	12/15	548	1/14		2/13	3/14		12	107	3/27
8	548	4/13	5/12	6/11	7/10	8/8	9/7	10/6	11/5	12/5	547	1/3		2/2	3/3		13	108	3/27
9	547	4/2	5/2	6/1	6/29	7/29	8/27	9/26	10/25	11/24		12/23	546	1/22	2/20	3/22	14+	109	3/27
10	546	4/21	5/20	6/19	7/18	8/17	9/15	10/15	11/14	12/13	545	1/11		2/10	3/10		15	110	3/26
11	545	4/9	5/8	6/7	7/6	8/5	9/4	10/3	11/2	12/2		12/31	544	1/29	2/28		16	111	3/27
12	544	3/29	4/27	5/27	6/25	7/25	8/24	9/23	10/23	11/21		12/21	543	1/19	2/17	3/19	17+	112	3/27
13	543	4/17	5/16	6/15	7/14	8/13	9/12	10/12	11/11	12/10	542	1/9		2/7	3/8		18	113	3/27
14	542	4/6	5/6	6/4	7/4	8/2	9/1	10/1	10/30	11/29		12/29	541	1/27	2/26		19	114	3/26
15	541	3/26	4/25	5/24	6/22	7/22	8/20	9/19	10/18	11/17		12/17	540	1/16	2/14	3/16	1+	115	3/27
16	540	4/14	5/14	6/12	7/11	8/10	9/8	10/8	11/7	12/6	539	1/5		2/3	3/5		2	116	3/27
17	539	4/4	5/3	6/2	7/1	7/31	8/29	9/27	10/27	11/25		12/24	538	1/23	2/32	3/24	3+	117	3/27
CYRUS																			
1	538	4/22	5/22	6/20	7/20	8/19	9/17	10/16	11/15	12/14	537	1/13		2/11	3/12		4	118	3/26
2	537	4/10	5/10	6/9	7/8	8/7	9/6	10/5	11/3	12/3	536	1/1		1/30	3/1		5	119	3/27
3	536	3/31	4/29	5/29	6/28	7/27	8/26	9/25	10/24	11/22		12/22	535	1/20	2/19	3/20	6+	120	3/27
4	535	4/18	5/18	6/17	7/16	8/15	9/14	10/13	11/12	12/11	534	1/9		2/8	3/9		7	121	3/27
5	534	4/8	5/7	6/6	7/6	8/4	9/3	10/2	11/1	12/1		12/30	533	1/29	2/27		8	122	3/26
6	533	3/28	4/26	5/25	6/24	7/24	8/22	9/20	10/20	11/19		12/19	532	1/17	2/16	3/17	9+	123	3/27
7	532	4/16	5/15	6/13	7/13	8/11	9/9	10/9	11/8	12/8	531	1/6		2/5	3/7		10	124	3/27
8	531	4/5	5/5	6/3	7/2	7/31	8/30	9/28	10/28	11/27		12/27	530	1/25	2/24	3/26	11+	125	3/27
9	530	4/24	5/24	6/22	7/21	8/20	9/18	10/18	11/16	12/16	529	1/14		2/13	3/14		12	126	3/26
CAMBYSSES																			
1	529	4/12	5/12	6/10	7/10	8/8	9/7	10/6	11/5	12/4	528	1/3		2/1	3/3		13	127	3/27
2	528	4/1	5/1	5/30	6/29	7/29	8/27	9/26	10/26	11/24		12/23	527	1/22	2/20	3/21	14+	128	3/27
3	527	4/20	5/19	6/18	7/18	8/16	9/15	10/15	11/14	12/13	526	1/11		2/10	3/11		15	129	3/27
4	526	4/9	5/9	6/7	7/7	8/6	9/5	10/5	11/3	12/2	525	1/1		1/30	2/29		16	130	3/26
5	525	3/29	4/27	5/26	6/25	7/25	8/24	9/23	10/22	11/21		12/20	524	1/19	2/17	3/19	17+	131	3/26
6	524	4/17	5/16	6/14	7/14	8/13	9/12	10/11	11/10	12/10	523	1/8		2/7	3/8		18	132	3/27
7	523	4/7	5/6	6/4	7/4	8/2	9/1	10/1	10/30	11/29		12/28	522	1/27	2/26		19	133	3/27
8	522	3/27	4/25	5/25	6/23	7/23	8/21	9/20	10/19	11/18		12/17	521	1/16	2/15	3/15	1+	134	3/26
DARIUS 1																			
1	521	4/14	5/13	6/12	7/11	8/10	9/8	10/8	11/6	12/6	520	1/4		2/3	3/4		2	135	3/26
2	520	4/3	5/3	6/1	7/1	7/31	8/29	9/27	10/27	11/25		12/24	519	1/23	2/21	3/23	3+	136	3/27
3	519	4/22	5/21	6/20	7/20	8/19	9/17	10/16	11/15	12/14	518	1/12		2/11	3/12		4	137	3/27
4	518	4/11	5/10	6/9	7/9	8/8	9/6	10/6	11/4	12/4	517	1/2		1/31	3/1		5	138	3/26
5	517	3/30	4/29	5/28	6/27	7/27	8/25	9/24	10/24	11/22		12/22	516	1/20	2/19	3/20	6+	139	3/26
6	516	4/18	5/18	6/16	7/16	8/14	9/13	10/13	11/11	12/11	515	1/10		2/8	3/10		7	140	3/27
7	515	4/8	5/7	6/6	7/5	8/3	9/2	10/2	10/31	11/30		12/30	514	1/29	2/27		8	141	3/27
8	514	3/29	4/27	5/26	6/25	7/24	8/22	9/21	10/20	11/19		12/19	513	1/18	2/16	3/17	9+	142	3/26
9	513	4/16	5/15	6/13	7/13	8/11	9/10	10/9	11/7	12/7	512	1/6		2/5	3/6		10	143	3/26
10	512	4/5	5/4	6/3	7/2	7/31	8/30	9/29	10/28	11/28		12/27	511	1/25	2/23	3/25	11+	144	3/27
11	511	4/23	5/23	6/22	7/21	8/19	9/18	10/18	11/16	12/16	510	1/14		2/12	3/14		12	145	3/27
12	510	4/13	5/12	6/11	7/10	8/9	9/8	10/7	11/6	12/5	509	1/4		2/2	3/2		13	146	3/26
13	509	4/1	4/30	5/30	6/28	7/28	8/27	9/26	10/25	11/24		12/23	508	1/22	2/20	3/21	14+	147	3/26
14	508	4/20	5/19	6/17	7/17	8/16	9/15	10/15	11/14	12/13	507	1/11		2/10	3/11		15	148	3/27
15	507	4/9	5/8	6/7	7/6	8/5	9/4	10/4	11/3	12/2	506	1/1		1/30	3/1		16	149	3/27
16	506	3/30	4/28	5/27	6/26	7/25	8/24	9/23	10/23	11/21		12/21	505	1/20	2/18	3/18	17+	150	3/26
17	505	4/17	5/16	6/14	7/14	8/12	9/11	10/11	11/9	12/9	504	1/8		2/6	3/8		18	151	3/26
18	504	4/6	5/6	6/4	7/4	8/2	9/1	10/1	10/30	11/28		12/28	503	1/26	2/25		19	152	3/27
19	503	3/27	4/25	5/25	6/23	7/23	8/21	9/20	10/19	11/18		12/17	502	1/15	2/14	3/16	1+	153	3/27
20	502	4/14	5/14	6/13	7/12	8/11	9/9	10/9	11/7	12/6	501	1/5		2/3	3/4		2	154	3/26
21	501	4/2	5/2	6/1	6/30	7/30	8/29	9/27	10/27	11/25		12/24	500	1/23	2/21	3/23	3+	155	3/26
22	500	4/21	5/21	6/19	7/19	8/18	9/17	10/16	11/15	12/14	499	1/12		2/11	3/12		4	156	3/27
23	499	4/11	5/10	6/9	7/8	8/7	9/6	10/5	11/4	12/3	498	1/2	</						

Appendix 2 – The Ezra Calendar

Year	BCE	1-Nisan	2-Ziv	3-Sivan	4-Tammuz	5-Av	6-EIul	7-Tishri	8-Heshvan	9-Kislev	BCE/CE	10-Tevet	BCE/CE	11-Shvat	12-Adar	13-Adar 2	19 Yr	353	Equinox
11	475	4/15	5/15	6/14	7/13	8/12	9/10	10/10	11/8	12/8	474	1/6		2/5	3/6		10	181	3/27
12	474	4/5	5/4	6/3	7/2	8/1	8/31	9/29	10/29	11/28		12/27	473	1/25	2/24	3/24	11+	182	3/26
13	473	4/22	5/22	6/20	7/20	8/19	9/18	10/17	11/16	12/16	472	1/14		2/12	3/13		12	183	3/26
14	472	4/12	5/11	6/10	7/10	8/9	9/7	10/7	11/5	12/5	471	1/4		2/2	3/3		13	184	3/26
15	471	4/1	5/1	5/30	6/28	7/28	8/27	9/26	10/26	11/24		12/24	470	1/22	2/21	3/22	14+	185	3/27
16	470	4/21	5/20	6/18	7/17	8/16	9/15	10/15	11/13	12/13	469	1/12		2/10	3/11		15	186	3/26
17	469	4/9	5/8	6/7	7/6	8/5	9/3	10/3	11/1	12/1		12/31	468	1/29	2/28		16	187	3/26
18	468	3/29	4/28	5/27	6/26	7/25	8/24	9/22	10/22	11/20		12/20	467	1/18	2/17	3/18	17+	188	3/26
19	467	4/17	5/17	6/15	7/15	8/14	9/12	10/12	11/10	12/9	466	1/7		2/6	3/7		18	189	3/27
20	466	4/6	5/6	6/4	7/4	8/3	9/2	10/1	10/31	11/29		12/28	465	1/26	2/25		19	190	3/26
21	465	3/25	4/24	5/24	6/22	7/22	8/21	9/20	10/19	11/17		12/17	464	1/15	2/13	3/15	1+	191	3/26
ARTAXERXES 1																			
1	464	4/13	5/13	6/11	7/11	8/10	9/9	10/8	11/7	12/6		1/5	463	2/3	3/4		2	192	3/26
2	463	4/3	5/2	6/1	6/30	7/30	8/29	9/27	10/27	11/26		12/25	462	1/24	2/22	3/24	3+	193	3/26
3	462	4/22	5/21	6/20	7/19	8/18	9/16	10/16	11/15	12/14	461	1/13		2/12	3/12		4	194	3/26
4	461	4/11	5/10	6/8	7/8	8/6	9/5	10/4	11/3	12/2	460	1/1		1/31	3/1		5	195	3/26
5	460	3/31	4/30	5/29	6/27	7/27	8/25	9/23	10/23	11/21		12/21	459	1/20	2/19	3/20	6+	196	3/26
6	459	4/19	5/18	6/17	7/16	8/15	9/13	10/12	11/11	12/10	458	1/9		2/8	3/9		7	197	3/26
7	458	4/8	5/8	6/6	7/6	8/4	9/3	10/2	10/31	11/30		12/29	457	1/28	2/27		8	198	3/26
8	457	3/27	4/26	5/25	6/24	7/24	8/22	9/21	10/20	11/19		12/18	456	1/17	2/15	3/16	9+	199	3/26
9	456	4/15	5/14	6/13	7/13	8/11	9/10	10/10	11/8	12/8	455	1/6		2/5	3/6		10	200	3/26
10	455	4/4	5/4	6/2	7/2	7/31	8/30	9/29	10/29	11/27		12/27	454	1/25	2/24	3/25	11+	201	3/26
11	454	4/23	5/22	6/21	7/20	8/19	9/18	10/18	11/17	12/16	453	1/15		2/13	3/14		12	202	3/26
12	453	4/12	5/11	6/9	7/9	8/7	9/6	10/6	11/5	12/5	452	1/3		2/2	3/3		13	203	3/26
13	452	4/2	5/1	5/30	6/28	7/28	8/26	9/25	10/25	11/24		12/23	451	1/22	2/20	3/22	14+	204	3/26
14	451	4/20	5/20	6/18	7/17	8/16	9/15	10/14	11/13	12/12	450	1/11		2/9	3/11		15	205	3/26
15	450	4/10	5/9	6/8	7/7	8/6	9/4	10/4	11/2	12/1		12/31	449	1/29	2/28		16	206	3/26
16	449	3/29	4/27	5/27	6/26	7/25	8/24	9/22	10/22	11/20		12/19	448	1/18	2/16	3/18	17+	207	3/26
17	448	4/16	5/16	6/15	7/15	8/13	9/12	10/12	11/10	12/9	447	1/7		2/6	3/7		18	208	3/26
18	447	4/6	5/5	6/4	7/4	8/2	9/1	10/1	10/30	11/29		12/28	446	1/26	2/25		19	209	3/26
19	446	3/26	4/25	5/24	6/23	7/22	8/21	9/20	10/20	11/18		12/18	445	1/16	2/14	3/15	1+	210	3/26
20	445	4/13	5/12	6/11	7/11	8/9	9/8	10/8	11/6	12/6	444	1/4		2/3	3/4		2	211	3/26
21	444	4/3	5/2	6/1	6/30	7/30	8/28	9/27	10/26	11/25		12/25	443	1/23	2/22	3/23	3+	212	3/26
22	443	4/22	5/21	6/20	7/19	8/17	9/16	10/15	11/14	12/14	442	1/12		2/11	3/13		4	213	3/26
23	442	4/11	5/11	6/9	7/9	8/7	9/5	10/5	11/3	12/3	441	1/1		1/31	3/1		5	214	3/26
24	441	3/31	4/29	5/29	6/27	7/27	8/25	9/23	10/23	11/21		12/21	440	1/19	2/18	3/19	6+	215	3/26
25	440	4/18	5/18	6/17	7/16	8/15	9/13	10/12	11/11	12/10	439	1/9		2/7	3/9		7	216	3/26
26	439	4/7	5/7	6/6	7/5	8/4	9/2	10/2	10/31	11/30		12/29	438	1/28	2/26		8	217	3/26
27	438	3/28	4/26	5/26	6/24	7/24	8/23	9/21	10/21	11/20		12/19	437	1/18	2/16	3/16	9+	218	3/26
28	437	4/14	5/14	6/12	7/12	8/11	9/9	10/9	11/8	12/8	436	1/6		2/5	3/6		10	219	3/26
29	436	4/4	5/3	6/2	7/1	7/31	8/29	9/28	10/28	11/27		12/27	435	1/25	2/24	3/25	11+	220	3/26
30	435	4/23	5/22	6/21	7/20	8/19	9/17	10/17	11/16	12/16	434	1/4		2/13	3/14		12	221	3/26
31	434	4/13	5/12	6/10	7/10	8/8	9/7	10/6	11/5	12/5	433	1/3		2/2	3/3		13	222	3/26
32	433	4/1	5/1	5/30	6/28	7/28	8/26	9/25	10/25	11/23		12/23	432	1/21	2/20	3/21	14+	223	3/26
33	432	4/20	5/19	6/18	7/17	8/16	9/15	10/14	11/13	12/12	431	1/10		2/9	3/10		15	224	3/26
34	431	4/9	5/9	6/7	7/7	8/6	9/4	10/4	11/2	12/2		12/31	430	1/29	2/28		16	225	3/26
35	430	3/29	4/28	5/27	6/26	7/26	8/25	9/23	10/23	11/21		12/20	429	1/19	2/17	3/17	17+	226	3/26
36	429	4/16	5/15	6/14	7/14	8/13	9/12	10/11	11/10	12/9	428	1/7		2/6	3/7		18	227	3/26
37	428	4/5	5/5	6/3	7/3	8/2	9/1	9/30	10/30	11/29		12/28	427	1/26	2/25		19	228	3/26
38	427	3/26	4/24	5/24	6/22	7/22	8/21	9/20	10/19	11/18		12/17	426	1/16	2/14	3/16	1+	229	3/26
39	426	4/14	5/13	6/12	7/11	8/10	9/8	10/8	11/7	12/6	425	1/5		2/4	3/4		2	230	3/25
40	425	4/3	5/2	6/1	6/30	7/29	8/28	9/26	10/26	11/24		12/24	424	1/23	2/21	3/23	3+	231	3/26
41	424	4/22	5/21	6/20	7/19	8/17	9/16	10/15	11/14	12/13	423	1/12		2/10	3/12		4	232	3/26
DARIUS 2																			
1	423	4/11	5/11	6/9	7/9	8/7	9/5	10/5	11/3	12/3	422	1/1		1/31	3/1		5	233	3/26
2	422	3/31	4/30	5/29	6/28	7/28	8/26	9/24	10/24	11/22		12/22	421	1/20	2/19	3/19	6+	234	3/25
3	421	4/18	5/17	6/16	7/16	8/14	9/13	10/12	11/11	12/10	420	1/9		2/7	3/9		7	235	3/26
4	420	4/7	5/6	6/5	7/5	8/3	9/2	10/2	10/31	11/30		12/29	419	1/28	2/26		8	236	3/26
5	419	3/27	4/26	5/25	6/24	7/23	8/22	9/21	10/21	11/19		12/19	418	1/17	2/16	3/17	9+	237	3/26
6	418	4/15	5/15	6/13	7/12	8/11	9/10	10/10	11/8	12/8	417	1/7		2/5	3/6		10	238	3/25
7	417	4/4	5/3	6/2	7/1	7/30	8/29	9/28	10/28	11/26		12/26	416	1/25	2/23	3/25	11+	239	3/26
8	416	4/23	5/22	6/21	7/20	8/18	9/17	10/17	11/16	12/15	415	1/14		2/12	3/14		12	240	3/26
9	415	4/13	5/12	6/10	7/10	8/8	9/7	10/6	11/5	12/4	414	1/3		2/1	3/3		13	241	3/26
10	414	4/2	5/1	5/30	6/29	7/29	8/27	9/26	10/26	11/24		12/23	413	1/22	2/20	3/21	14+	242	3/25
11	413	4/19	5/19	6/18	7/17	8/16	9/15	10/14	11/13	12/12	412	1/10		2/8	3/10		15	243	3/26
12	412	4/8	5/8	6/7	7/6	8/5	9/4	10/4	11/2	12/2		12/31	411	1/29	2/27		16	244	3/26
13	411	3/29	4/27	5/27	6/25	7/25	8/24	9/23	10/23	11/21		12/20	410	1/19	2/17	3/18	17+	245	3/26
14	410	4/17	5/16	6/15	7/14	8/13	9/12	10/12	11/10	12/10	409	1/8		2/7	3/7		18	246	3/25
15	409	4/5	5/5	6/3	7/3	8/1	8/31	9/30	10/29	11/28		12/28	408	1/27	2/25		19	247	3/26
16	408	3/26	4/24	5/24	6/22	7/22	8/20	9/19	10/18	11/17		12/17	407	1/15	2/14	3/16	1+	248	3/26
17	407	4/14	5/14	6/12	7/11	8/10	9/8	10/8	11/6	12/6	406	1/4		2/3	3/5		2	249	3/26
18	406	4/3	5/3	6/2	7/1	7/30	8/29	9/27	10/26	11/25		12/24	405	1/23	2/22	3/22	3+	250	3/25
19	405	4/21	5/21	6/19	7/19	8/17	9/16	10/15	11/13	12/13	404	1/11		2/10	3/12		4	251	3/26
ARTAXERXES 2																			
1	404	4/10	5/10</																

Times and Appointed Times

Year	BCE	1-Nisan	2-Ziv	3-Sivan	4-Tammuz	5-Av	6-EIul	7-Tishri	8-Heshvan	9-Kislev	BCE/CE	10-Tevet	BCE/CE	11-Shvat	12-Adar	13-Adar 2	19 Yr	353	Equinox
23	382	4/8	5/7	6/5	7/5	8/3	9/2	10/1	10/31	11/30		12/30	381	1/28	2/27		8	274	3/25
24	381	3/27	4/26	5/25	6/23	7/23	8/21	9/20	10/19	11/18		12/18	380	1/17	2/15	3/17	9+	275	3/25
25	380	4/15	5/15	6/13	7/12	8/11	9/9	10/9	11/7	12/7	379	1/6		2/4	3/6		10	276	3/26
26	379	4/5	5/4	6/3	7/2	7/31	8/30	9/29	10/28	11/27		12/26	378	1/24	2/23	3/25	11+	277	3/26
27	378	4/23	5/23	6/21	7/21	8/19	9/18	10/18	11/16	12/16	377	1/14		2/12	3/13		12	278	3/25
28	377	4/11	5/11	6/9	7/9	8/8	9/7	10/6	11/5	12/4	376	1/2		2/1	3/2		13	279	3/25
29	376	4/1	4/30	5/29	6/28	7/28	8/27	9/26	10/25	11/24		12/23	375	1/21	2/20	3/21	14+	280	3/26
30	375	4/19	5/19	6/17	7/17	8/16	9/15	10/15	11/13	12/13	374	1/11		2/9	3/11		15	281	3/26
31	374	4/9	5/8	6/7	7/6	8/5	9/4	10/4	11/2	12/2		12/31	373	1/30	2/28		16	282	3/25
32	373	3/29	4/27	5/26	6/25	7/24	8/23	9/22	10/21	11/20		12/20	372	1/18	2/17	3/18	17+	283	3/25
33	372	4/17	5/16	6/14	7/14	8/12	9/11	10/11	11/9	12/9	371	1/7		2/6	3/8		18	284	3/26
34	371	4/6	5/6	6/4	7/4	8/2	9/1	9/30	10/29	11/28		12/27	370	1/26	2/25		19	285	3/26
35	370	3/26	4/25	5/25	6/23	7/23	8/21	9/20	10/19	11/17		12/17	369	1/15	2/14	3/14	1+	286	3/25
36	369	4/13	5/13	6/11	7/11	8/9	9/8	10/7	11/6	12/5	368	1/4		2/2	3/4		2	287	3/25
37	368	4/2	5/2	6/1	6/30	7/30	8/29	9/27	10/26	11/25		12/24	367	1/23	2/21	3/22	3+	288	3/26
38	367	4/21	5/21	6/19	7/19	8/18	9/16	10/16	11/14	12/14	366	1/12		2/11	3/12		4	289	3/26
39	366	4/10	5/10	6/8	7/8	8/7	9/5	10/5	11/4	12/3	365	1/2		1/31	3/1		5	290	3/25
40	365	3/30	4/28	5/28	6/26	7/26	8/24	9/23	10/23	11/21		12/21	364	1/20	2/18	3/20	6+	291	3/25
41	364	4/18	5/17	6/16	7/15	8/13	9/12	10/12	11/10	12/10	363	1/9		2/8	3/9		7	292	3/25
42	363	4/8	5/7	6/5	7/5	8/3	9/1	10/1	10/31	11/29		12/29	362	1/28	2/27		8	293	3/26
43	362	3/28	4/27	5/26	6/24	7/24	8/22	9/21	10/20	11/19		12/18	361	1/17	2/16	3/16	9+	294	3/25
44	361	4/15	5/14	6/13	7/12	8/11	9/9	10/9	11/7	12/7	360	1/5		2/4	3/5		10	295	3/25
45	360	4/4	5/3	6/2	7/2	7/31	8/30	9/28	10/28	11/26		12/26	359	1/24	2/23	3/24	11+	296	3/25
46	359	4/23	5/22	6/21	7/20	8/19	9/18	10/18	11/16	12/16	358	1/14		2/12	3/13		12	297	3/26
ARTAXERXES 3																			
1	358	4/12	5/11	6/10	7/9	8/8	9/7	10/7	11/6	12/5	357	1/3		2/2	3/2		13	298	3/25
2	357	3/31	4/30	5/29	6/28	7/27	8/26	9/25	10/25	11/24		12/23	356	1/21	2/20	3/21	14+	299	3/25
3	356	4/19	5/19	6/17	7/17	8/15	9/14	10/14	11/13	12/12	355	1/11		2/9	3/11		15	300	3/25
4	355	4/9	5/8	6/7	7/6	8/5	9/3	10/3	11/2	12/1		12/31	354	1/29	2/28		16	301	3/26
5	354	3/30	4/28	5/27	6/26	7/25	8/24	9/22	10/22	11/21		12/20	353	1/18	2/17	3/18	17+	302	3/25
6	353	4/16	5/16	6/15	7/14	8/12	9/11	10/10	11/9	12/8	352	1/7		2/5	3/7		18	303	3/25
7	352	4/6	5/5	6/4	7/4	8/2	9/1	9/30	10/29	11/27		12/27	351	1/25	2/24		19	304	3/25
8	351	3/26	4/24	5/24	6/23	7/23	8/21	9/20	10/19	11/17		12/16	350	1/15	2/13	3/15	1+	305	3/26
9	350	4/13	5/13	6/12	7/12	8/10	9/9	10/8	11/7	12/6	349	1/5		2/3	3/3		2	306	3/25
10	349	4/2	5/1	6/1	6/30	7/29	8/28	9/27	10/26	11/25		12/24	348	1/23	2/21	3/22	3+	307	3/25
11	348	4/21	5/20	6/19	7/18	8/17	9/16	10/15	11/14	12/14	347	1/12		2/11	3/12		4	308	3/25
12	347	4/10	5/10	6/8	7/8	8/6	9/5	10/4	11/3	12/3	346	1/2		1/31	3/2		5	309	3/26
13	346	3/31	4/29	5/29	6/27	7/26	8/25	9/23	10/23	11/22		12/22	345	1/20	2/19	3/20	6+	310	3/25
14	345	4/18	5/17	6/16	7/15	8/13	9/12	10/11	11/10	12/10	344	1/8		2/7	3/9		7	311	3/25
15	344	4/7	5/7	6/5	7/5	8/3	9/1	10/1	10/30	11/29		12/29	343	1/27	2/26		8	312	3/25
16	343	3/27	4/26	5/26	6/24	7/24	8/22	9/21	10/20	11/19		12/18	342	1/17	2/15	3/17	9+	313	3/26
17	342	4/15	5/15	6/13	7/13	8/12	9/10	10/10	11/8	12/8	341	1/6		2/4	3/5		10	314	3/25
18	341	4/3	5/3	6/1	7/1	7/31	8/30	9/28	10/28	11/27		12/26	340	1/24	2/22	3/24	11+	315	3/25
19	340	4/22	5/22	6/20	7/20	8/19	9/18	10/17	11/16	12/15	339	1/14		2/12	3/13		12	316	3/25
20	339	4/12	5/11	6/9	7/9	8/8	9/7	10/7	11/5	12/5	338	1/3		2/2	3/3		13	317	3/26
21	338	4/1	5/1	6/0	6/28	7/28	8/27	9/26	10/25	11/24		12/24	337	1/22	2/21	3/21	14+	318	3/25
ARSES																			
1	337	4/19	5/19	6/17	7/16	8/15	9/14	10/13	11/12	12/12	336	1/10		2/9	3/10		15	319	3/25
2	336	4/9	5/8	6/7	7/6	8/5	9/3	10/3	11/1	12/1		12/30	335	1/29	2/28		16	320	3/25
DARIUS 3																			
1	335	3/29	4/28	5/27	6/26	7/25	8/24	9/22	10/22	11/20		12/19	334	1/18	2/17	3/18	17+	321	3/25
2	334	4/17	5/17	6/15	7/15	8/13	9/12	10/11	11/9	12/9	333	1/7		2/6	3/6		18	322	3/25
3	333	4/5	5/5	6/3	7/3	8/2	8/31	9/30	10/29	11/27		12/27	332	1/25	2/24		19	323	3/25
4	332	3/25	4/24	5/23	6/22	7/22	8/21	9/19	10/19	11/17		12/16	331	1/15	2/13	3/15	1+	324	3/25
5	331	4/13	5/13	6/11	7/11	8/10	9/8	10/8	11/6	12/6	330	1/5		2/3	3/4		2	325	3/25
ALEXANDER 3																			
7	330	4/3	5/2	6/1	6/30	7/30	8/28	9/27	10/27	11/25		12/25	329	1/24	2/22	3/22	3+	326	3/25
8	329	4/21	5/20	6/18	7/18	8/16	9/15	10/15	11/13	12/13	328	1/12		2/11	3/12		4	327	3/25
9	328	4/10	5/10	6/8	7/7	8/6	9/4	10/4	11/2	12/2	327	1/1		1/31	3/1		5	328	3/25
10	327	3/31	4/29	5/29	6/27	7/26	8/25	9/23	10/23	11/21		12/21	326	1/20	2/18	3/20	6+	329	3/25
11	326	4/19	5/18	6/17	7/16	8/14	9/13	10/12	11/11	12/10	325	1/9		2/8	3/8		7	330	3/25
12	325	4/7	5/6	6/5	7/4	8/3	9/1	10/1	10/31	11/29		12/28	324	1/27	2/25		8	331	3/25
13	324	3/27	4/25	5/25	6/24	7/23	8/22	9/21	10/20	11/19		12/18	323	1/16	2/15	3/16	9+	332	3/25
14	323	4/15	5/14	6/13	7/12	8/11	9/10	10/10	11/8	12/8	322	1/6		2/4	3/6		10	333	3/25
PHILIP ARRHADEUS																			
2	322	4/4	5/4	6/2	7/1	7/31	8/30	9/29	10/29	11/27		12/27	321	1/25	2/23	3/24	11+	334	3/25
3	321	4/22	5/21	6/20	7/19	8/18	9/17	10/17	11/16	12/15	320	1/13		2/12	3/13		12	335	3/25
4	320	4/12	5/11	6/9	7/9	8/7	9/6	10/6	11/5	12/4	319	1/3		2/1	3/3		13	336	3/25
5	319	4/1	5/1	6/0	6/28	7/28	8/26	9/25	10/25	11/23		12/23	318	1/21	2/20	3/21	14+	337	3/25
6	318	4/20	5/20	6/18	7/18	8/16	9/15	10/14	11/13	12/12	317	1/10		2/9	3/10		15	338	3/25
7	317	4/8	5/8	6/7	7/6	8/5	9/3	10/3	11/1	11/30		12/30	316	1/28	2/27		16	339	3/25
8	316	3/28	4/27	5/27	6/25	7/25	8/24	9/22	10/22	11/20		12/19	315	1/18	2/16	3/18	17+	340	3/25
ALEXANDER 4																			
2	315	4/16	5/16	6/15	7/14	8/13	9/12	10/11	11/10	12/9	314	1/7		2/6	3/7		18	341	3/25
3	314	4/5	5/5	6/4	7/3	8/2	9/1	10/1	10/30	11/28		12/28	313	1/26	2/25		19	342	3/25
4	313	3/25	4/23	5/23	6/22	7/21	8/20	9/19	10/18	11/17		12/16	312	1/15	2/13	3/15	1+	343	3/25
5	312	4/13	5/12	6/11	7/10	8/9	9/8	10/7	11/6	12/6	311	1/4		2/3	3/4				

Appendix 2 – The Ezra Calendar

Year	BCE	1-Nisan	2-Ziv	3-Sivan	4-Tammuz	5-Av	6-EIul	7-Tishri	8-Heshvan	9-Kislev	BCE/CE	10-Tevet	BCE/CE	11-Shvat	12-Adar	13-Adar 2	19 Yr	353	Equinox
15	297	3/28	4/26	5/26	6/25	7/25	8/24	9/22	10/22	11/20		12/19	296	1/18	2/16	3/17	6+	6	3/25
16	296	4/16	5/15	6/14	7/14	8/13	9/11	10/11	11/9	12/9	295	1/7		2/6	3/7		7	7	3/25
17	295	4/5	5/5	6/3	7/3	8/1	8/31	9/30	10/30	11/28		12/28	294	1/26	2/25		8	8	3/25
18	294	3/26	4/24	5/24	6/22	7/22	8/20	9/19	10/19	11/18		12/17	293	1/16	2/14	3/15	9+	9	3/24
19	293	4/13	5/12	6/11	7/10	8/9	9/7	10/7	11/5	12/5	292	1/4		2/2	3/4		10	10	3/25
20	292	4/3	5/2	5/31	6/30	7/29	8/28	9/26	10/25	11/24		12/24	291	1/23	2/21	3/23	11+	11	3/25
21	291	4/22	5/21	6/19	7/19	8/17	9/15	10/15	11/13	12/13	290	1/12		2/10	3/12		12	12	3/25
22	290	4/11	5/10	6/9	7/8	8/7	9/5	10/5	11/3	12/3	289	1/1		1/31	2/29		13	13	3/24
23	289	3/30	4/28	5/28	6/27	7/26	8/25	9/23	10/23	11/21		12/21	288	1/19	2/17	3/19	14+	14	3/25
24	288	4/17	5/17	6/16	7/15	8/14	9/13	10/12	11/11	12/10	287	1/9		2/7	3/8		15	15	3/25
25	287	4/7	5/6	6/5	7/4	8/3	9/2	10/2	10/31	11/30		12/29	286	1/28	2/26		16	16	3/25
26	286	3/27	4/26	5/25	6/24	7/23	8/22	9/21	10/21	11/19		12/19	285	1/17	2/16	3/16	17+	17	3/24
27	285	4/14	5/14	6/12	7/11	8/10	9/9	10/9	11/7	12/7	284	1/6		2/4	3/6		18	18	3/25
28	284	4/4	5/3	6/2	7/1	7/30	8/29	9/28	10/28	11/26		12/26	283	1/24	2/23		19	19	3/25
29	283	3/25	4/23	5/22	6/21	7/20	8/19	9/17	10/17	11/15		12/15	282	1/13	2/12	3/14	1+	20	3/25
30	282	4/12	5/12	6/10	7/10	8/8	9/7	10/6	11/5	12/4	281	1/3		2/1	3/2		2	21	3/24
31	281	3/31	4/30	5/29	6/28	7/28	8/26	9/25	10/24	11/23		12/22	280	1/20	2/19	3/20	3+	22	3/25
32	280	4/19	5/19	6/17	7/17	8/16	9/15	10/14	11/12	12/12	279	1/10		2/8	3/10		4	23	3/25
33	279	4/8	5/8	6/6	7/6	8/5	9/4	10/4	11/2	12/1		12/31	278	1/29	2/27		5	24	3/25
34	278	3/29	4/27	5/27	6/25	7/25	8/24	9/23	10/22	11/21		12/20	277	1/19	2/17	3/17	6+	25	3/24
35	277	4/16	5/15	6/14	7/13	8/12	9/11	10/10	11/9	12/8	276	1/7		2/6	3/7		7	26	3/25
36	276	4/5	5/5	6/3	7/3	8/1	8/31	9/29	10/29	11/28		12/27	275	1/26	2/25		8	27	3/25
37	275	3/26	4/24	5/24	6/22	7/22	8/20	9/18	10/18	11/17		12/16	274	1/15	2/14	3/15	9+	28	3/25
38	274	4/14	5/13	6/12	7/11	8/10	9/8	10/7	11/6	12/5	273	1/4		2/3	3/4		10	29	3/24
39	273	4/2	5/2	5/31	6/30	7/29	8/27	9/26	10/25	11/24		12/23	272	1/22	2/21	3/22	11+	30	3/25
40	272	4/21	5/21	6/19	7/19	8/17	9/15	10/15	11/13	12/13	271	1/11		2/10	3/11		12	31	3/25
41	271	4/10	5/10	6/8	7/8	8/6	9/5	10/5	11/3	12/3	270	1/1		1/30	3/1		13	32	3/25
42	270	3/30	4/29	5/28	6/27	7/27	8/25	9/24	10/24	11/22		12/22	269	1/20	2/18	3/19	14+	33	3/24
43	269	4/17	5/17	6/15	7/14	8/13	9/12	10/12	11/11	12/10	268	1/9		2/7	3/8		15	34	3/24
44	268	4/7	5/6	6/4	7/4	8/2	9/1	10/1	10/31	11/29		12/29	267	1/28	2/26		16	35	3/25
45	267	3/27	4/26	5/25	6/23	7/23	8/21	9/20	10/20	11/19		12/18	266	1/17	2/16	3/17	17+	36	3/25
46	266	4/15	5/15	6/13	7/12	8/11	9/9	10/9	11/8	12/7	265	1/6		2/5	3/5		18	37	3/24
47	265	4/4	5/3	6/2	7/1	7/30	8/29	9/28	10/27	11/26		12/25	264	1/24	2/22		19	38	3/24
48	264	3/24	4/23	5/22	6/21	7/20	8/18	9/17	10/17	11/15		12/14	263	1/13	2/11	3/13	1+	39	3/25
49	263	4/12	5/11	6/10	7/10	8/8	9/7	10/6	11/5	12/4	262	1/2		2/1	3/2		2	40	3/25
50	262	4/1	4/30	5/30	6/29	7/29	8/27	9/26	10/25	11/24		12/23	261	1/21	2/20	3/20	3+	41	3/24
51	261	4/18	5/18	6/17	7/17	8/15	9/14	10/14	11/12	12/12	260	1/10		2/8	3/10		4	42	3/24
52	260	4/8	5/7	6/6	7/6	8/4	9/3	10/3	11/2	12/1		12/30	259	1/29	2/27		5	43	3/25
53	259	3/29	4/27	5/26	6/25	7/25	8/23	9/22	10/22	11/20		12/20	258	1/18	2/17	3/18	6+	44	3/25
54	258	4/17	5/16	6/14	7/14	8/12	9/11	10/11	11/9	12/9	257	1/8		2/6	3/7		7	45	3/24
55	257	4/5	5/5	6/3	7/3	8/1	8/30	9/29	10/28	11/27		12/27	256	1/25	2/24		8	46	3/24
56	256	3/26	4/24	5/24	6/22	7/22	8/20	9/19	10/18	11/16		12/16	255	1/14	2/13	3/15	9+	47	3/25
57	255	4/14	5/13	6/12	7/11	8/10	9/8	10/7	11/6	12/5	254	1/4		2/2	3/4		10	48	3/25
58	254	4/3	5/2	6/1	6/30	7/30	8/28	9/27	10/26	11/25		12/24	253	1/23	2/21	3/22	11+	49	3/24
59	253	4/20	5/20	6/19	7/18	8/17	9/15	10/15	11/13	12/13	252	1/11		2/10	3/11		12	50	3/24
60	252	4/9	5/9	6/8	7/7	8/6	9/5	10/4	11/3	12/3	251	1/1		1/30	3/1		13	51	3/25
61	251	3/30	4/28	5/28	6/26	7/26	8/24	9/23	10/23	11/22		12/22	250	1/20	2/18	3/20	14+	52	3/25
62	250	4/18	5/17	6/16	7/15	8/14	9/12	10/12	11/11	12/11	249	1/10		2/8	3/8		15	53	3/24
63	249	4/7	5/6	6/4	7/4	8/2	9/1	10/30	11/29	12/29		12/29	248	1/27	2/26		16	54	3/24
64	248	3/27	4/26	5/25	6/23	7/23	8/21	9/20	10/19	11/18		12/18	247	1/16	2/15	3/17	17+	55	3/25
65	247	4/15	5/15	6/13	7/12	8/10	9/9	10/9	11/8	12/7	246	1/5		2/4	3/6		18	56	3/25
66	246	4/4	5/4	6/2	7/2	7/31	8/30	9/29	10/28	11/26		12/26	245	1/24	2/23		19	57	3/24
67	245	3/23	4/22	5/22	6/20	7/20	8/19	9/17	10/17	11/15		12/14	244	1/13	2/11	3/12	1+	58	3/24
68	244	4/11	5/11	6/9	7/9	8/8	9/7	10/6	11/5	12/4	243	1/2		2/1	3/2		2	59	3/25
69	243	3/31	4/30	5/29	6/28	7/28	8/27	9/26	10/25	11/24		12/23	242	1/21	2/20	3/21	3+	60	3/25
70	242	4/19	5/19	6/17	7/17	8/16	9/15	10/14	11/13	12/12	241	1/11		2/9	3/10		4	61	3/24
71	241	4/8	5/7	6/6	7/5	8/4	9/3	10/2	11/1	12/1		12/30	240	1/29	2/27		5	62	3/24
72	240	3/29	4/27	5/26	6/25	7/24	8/23	9/21	10/21	11/19		12/19	239	1/18	2/17	3/18	6+	63	3/25
73	239	4/17	5/16	6/14	7/14	8/12	9/11	10/10	11/9	12/8	238	1/7		2/6	3/7		7	64	3/25
74	238	4/6	5/6	6/4	7/4	8/2	8/31	9/30	10/29	11/27		12/27	237	1/26	2/24		8	65	3/24
75	237	3/25	4/24	5/23	6/22	7/22	8/20	9/18	10/18	11/16		12/15	236	1/14	2/13	3/14	9+	66	3/24
76	236	4/13	5/13	6/11	7/11	8/9	9/8	10/7	11/6	12/5	235	1/4		2/2	3/3		10	67	3/24
77	235	4/2	5/2	5/31	6/30	7/30	8/28	9/27	10/26	11/25		12/24	234	1/23	2/21	3/22	11+	68	3/25
78	234	4/21	5/20	6/19	7/18	8/17	9/16	10/16	11/14	12/14	233	1/12		2/11	3/11		12	69	3/24
79	233	4/9	5/9	6/7	7/7	8/5	9/4	10/4	11/3	12/2	232	1/1		1/30	3/1		13	70	3/24
80	232	3/30	4/28	5/28	6/26	7/25	8/24	9/23	10/23	11/21		12/21	231	1/20	2/18	3/20	14+	71	3/24
81	231	4/18	5/17	6/16	7/15	8/13	9/12	10/12	11/11	12/10	230	1/9		2/8	3/9		15	72	3/25
82	230	4/8	5/7	6/5	7/5	8/3	9/1	10/1	10/31	11/29		12/29	229	1/28	2/26		16	73	3/24
83	229	3/27	4/25	5/25	6/23	7/23	8/21	9/20	10/19	11/18		12/17	228	1/16	2/14	3/16	17+	74	3/24
84	228	4/15	5/14	6/13	7/12	8/11	9/9	10/9	11/7	12/7	227	1/5		2/3	3/5		18	75	3/24
85	227	4/4	5/3	6/2	7/1	7/31	8/30	9/29	10/28	11/26		12/26	226	1/24	2/22		19	76	3/25
86	226	3/24	4/22	5/22	6/21	7/20	8/19	9/18	10/18	11/16		12/15	225	1/14	2/12	3/12	1+	77	3/24

Times and Appointed Times

Year	BCE	1-Nisan	2-Ziv	3-Sivan	4-Tammuz	5-Av	6-EIul	7-Tishri	8-Heshvan	9-Kislev	BCE/CE	10-Tevet	BCE/CE	11-Shvat	12-Adar	13-Adar 2	19 Yr	353	Equinox
114	198	4/13	5/12	6/11	7/11	8/9	9/8	10/8	11/6	12/6	197	1/4		2/3	3/3		10	105	3/24
115	197	4/2	5/1	5/30	6/29	7/28	8/27	9/25	10/25	11/24		12/24	196	1/20	2/21	3/22	11+	106	3/24
116	196	4/21	5/20	6/18	7/18	8/16	9/15	10/14	11/13	12/13	195	1/12		2/10	3/12		12	107	3/24
117	195	4/10	5/10	6/8	7/7	8/6	9/4	10/4	11/2	12/2	194	1/1		1/31	3/1		13	108	3/24
118	194	3/31	4/29	5/29	6/27	7/26	8/25	9/23	10/23	11/21		12/21	193	1/20	2/18	3/19	14+	109	3/24
119	193	4/17	5/17	6/15	7/15	8/13	9/12	10/11	11/10	12/10	192	1/8		2/6	3/8		15	110	3/24
120	192	4/6	5/6	6/5	7/4	8/3	9/1	10/1	10/31	11/29		12/28	191	1/27	2/25		16	111	3/24
121	191	3/27	4/25	5/25	6/23	7/23	8/22	9/21	10/20	11/19		12/18	190	1/16	2/15	3/16	17+	112	3/24
122	190	4/14	5/14	6/12	7/12	8/11	9/10	10/10	11/8	12/8	189	1/6		2/4	3/5		18	113	3/24
123	189	4/3	5/2	6/1	6/30	7/30	8/29	9/28	10/28	11/26		12/26	188	1/24	2/22		19	114	3/24
124	188	3/24	4/22	5/21	6/20	7/19	8/18	9/17	10/17	11/15		12/15	187	1/3	2/12	3/13	1+	115	3/24
125	187	4/12	5/11	6/9	7/9	8/7	9/6	10/6	11/4	12/4	186	1/2		2/1	3/3		2	116	3/24
126	186	4/1	5/1	5/30	6/28	7/28	8/26	9/25	10/24	11/23		12/22	185	1/21	2/20	3/20	3+	117	3/24
127	185	4/19	5/19	6/17	7/17	8/15	9/13	10/13	11/11	12/11	184	1/9		2/8	3/10		4	118	3/24
128	184	4/8	5/8	6/7	7/6	8/5	9/3	10/2	11/1	11/30		12/29	183	1/28	2/27		5	119	3/24
129	183	3/28	4/27	5/27	6/25	7/25	8/24	9/22	10/21	11/20		12/19	182	1/17	2/16	3/17	6+	120	3/24
130	182	4/16	5/16	6/14	7/14	8/13	9/11	10/11	11/9	12/9	181	1/7		2/6	3/6		7	121	3/24
131	181	4/4	5/4	6/2	7/2	8/1	8/31	9/29	10/29	11/27		12/27	180	1/25	2/24		8	122	3/24
132	180	3/25	4/24	5/23	6/21	7/21	8/19	9/18	10/18	11/17		12/16	179	1/15	2/13	3/15	9+	123	3/24
133	179	4/13	5/12	6/11	7/10	8/9	9/7	10/7	11/6	12/5	178	1/4		2/3	3/4		10	124	3/24
134	178	4/3	5/2	5/31	6/30	7/29	8/27	9/26	10/26	11/24		12/24	177	1/23	2/22	3/22	11+	125	3/24
135	177	4/21	5/20	6/18	7/18	8/16	9/14	10/14	11/13	12/12	176	1/11		2/10	3/11		12	126	3/24
136	176	4/10	5/10	6/8	7/7	8/6	9/4	10/3	11/2	12/2		12/31	175	1/30	2/28		13	127	3/24
137	175	3/30	4/29	5/28	6/27	7/26	8/25	9/23	10/23	11/21		12/21	174	1/19	2/18	3/19	14+	128	3/24
138	174	4/18	5/18	6/16	7/16	8/14	9/13	10/12	11/11	12/10	173	1/9		2/7	3/7		15	129	3/24
139	173	4/6	5/5	6/4	7/4	8/2	9/1	10/1	10/31	11/29		12/28	172	1/27	2/25		16	130	3/24
140	172	3/26	4/25	5/24	6/23	7/22	8/21	9/20	10/20	11/19		12/18	171	1/16	2/15	3/16	17+	131	3/24
141	171	4/14	5/14	6/12	7/12	8/10	9/9	10/9	11/8	12/7	170	1/6		2/4	3/6		18	132	3/24
142	170	4/4	5/3	6/2	7/1	7/31	8/29	9/28	10/28	11/27		12/26	169	1/25	2/23		19	133	3/23
143	169	3/24	4/22	5/21	6/20	7/19	8/18	9/17	10/16	11/15		12/14	168	1/13	2/11	3/13	1+	134	3/24
144	168	4/11	5/11	6/9	7/9	8/7	9/6	10/5	11/4	12/3	167	1/2		2/1	3/2		2	135	3/24
145	167	4/1	4/30	5/30	6/28	7/28	8/26	9/25	10/24	11/22		12/22	166	1/20	2/19	3/21	3+	136	3/24
146	166	4/20	5/19	6/18	7/17	8/16	9/14	10/14	11/12	12/11	165	1/10		2/8	3/9		4	137	3/23
147	165	4/8	5/7	6/6	7/6	8/4	9/3	10/2	10/31	11/30		12/29	164	1/28	2/26		5	138	3/24
148	164	3/28	4/26	5/26	6/25	7/25	8/23	9/22	10/21	11/20		12/19	163	1/17	2/16	3/17	6+	139	3/24
149	163	4/16	5/15	6/14	7/13	8/12	9/11	10/10	11/9	12/9	162	1/7		2/6	3/7		7	140	3/24
150	162	4/5	5/5	6/3	7/3	8/1	8/31	9/29	10/29	11/28		12/28	161	1/26	2/25		8	141	3/23
151	161	3/25	4/23	5/23	6/21	7/20	8/19	9/18	10/17	11/16		12/16	160	1/15	2/13	3/15	9+	142	3/24
152	160	4/13	5/12	6/11	7/10	8/8	9/7	10/6	11/5	12/5	159	1/4		2/2	3/4		10	143	3/24
153	159	4/3	5/2	5/31	6/30	7/29	8/27	9/26	10/25	11/24		12/24	158	1/22	2/21	3/23	11+	144	3/24
154	158	4/21	5/21	6/19	7/19	8/17	9/15	10/15	11/13	12/13	157	1/2		2/10	3/11		12	145	3/23
155	157	4/9	5/9	6/8	7/7	8/5	9/4	10/4	11/2	12/2		12/31	156	1/29	2/28		13	146	3/24
156	156	3/29	4/28	5/28	6/26	7/26	8/24	9/23	10/23	11/21		12/21	155	1/19	2/17	3/19	14+	147	3/24
157	155	4/17	5/17	6/15	7/15	8/14	9/13	10/12	11/11	12/10	154	1/9		2/7	3/8		15	148	3/24
158	154	4/7	5/6	6/4	7/4	8/3	9/2	10/2	10/31	11/30		12/29	153	1/28	2/26		16	149	3/23
159	153	3/26	4/25	5/24	6/23	7/22	8/21	9/20	10/19	11/18		12/18	152	1/16	2/15	3/16	17+	150	3/24
160	152	4/14	5/14	6/12	7/12	8/10	9/9	10/9	11/7	12/7	151	1/5		2/4	3/5		18	151	3/24
161	151	4/4	5/3	6/2	7/1	7/31	8/29	9/28	10/27	11/26		12/25	150	1/24	2/23		19	152	3/24
162	150	3/24	4/23	5/22	6/21	7/20	8/19	9/17	10/17	11/15		12/14	149	1/13	2/12	3/12	1+	153	3/23
163	149	4/11	5/11	6/9	7/9	8/7	9/6	10/5	11/4	12/3	148	1/1		1/31	3/1		2	154	3/24
164	148	3/31	4/29	5/29	6/28	7/28	8/26	9/25	10/24	11/22		12/22	147	1/20	2/19	3/20	3+	155	3/24
165	147	4/19	5/19	6/17	7/17	8/16	9/14	10/14	11/12	12/11	146	1/10		2/8	3/10		4	156	3/24
166	146	4/8	5/8	6/6	7/6	8/5	9/4	10/3	11/2	12/1		12/30	145	1/29	2/27		5	157	3/23
167	145	3/28	4/26	5/26	6/24	7/24	8/23	9/21	10/21	11/19		12/19	144	1/17	2/16	3/17	6+	158	3/24
168	144	4/16	5/15	6/13	7/13	8/12	9/10	10/10	11/8	12/8	143	1/7		2/6	3/7		7	159	3/24
169	143	4/5	5/5	6/3	7/2	8/1	8/30	9/29	10/28	11/27		12/27	142	1/26	2/24		8	160	3/24
170	142	3/26	4/24	5/24	6/22	7/21	8/20	9/18	10/18	11/16		12/16	141	1/15	2/14	3/14	9+	161	3/23
171	141	4/13	5/12	6/11	7/10	8/8	9/7	10/6	11/5	12/4	140	1/3		2/2	3/3		10	162	3/23
172	140	4/2	5/2	5/31	6/30	7/29	8/27	9/26	10/25	11/24		12/23	139	1/22	2/20	3/22	11+	163	3/24
173	139	4/21	5/20	6/19	7/18	8/17	9/15	10/15	11/13	12/13	138	1/11		2/10	3/11		12	164	3/24
174	138	4/10	5/9	6/8	7/8	8/6	9/5	10/5	11/3	12/3	137	1/1		1/30	2/29		13	165	3/23
175	137	3/29	4/27	5/27	6/26	7/25	8/24	9/23	10/23	11/21		12/20	136	1/19	2/17	3/19	14+	166	3/23
176	136	4/17	5/16	6/15	7/14	8/13	9/12	10/12	11/11	12/10	135	1/9		2/7	3/8		15	167	3/24
177	135	4/7	5/6	6/4	7/4	8/2	9/1	10/1	10/31	11/30		12/29	134	1/27	2/26		16	168	3/24
178	134	3/27	4/25	5/25	6/23	7/23	8/21	9/20	10/20	11/19		12/18	133	1/7	2/15	3/16	17+	169	3/23
179	133	4/14	5/14	6/12	7/11	8/10	9/8	10/8	11/7	12/6	132	1/5		2/3	3/5		18	170	3/23
180	132	4/4	5/3	6/2	7/1	7/31	8/29	9/28	10/27	11/25		12/25	131	1/23	2/22		19	171	3/24
181	131	3/24	4/22	5/22	6/21	7/20	8/19	9/17	10/17	11/15		12/14	130	1/3	2/11	3/13	1+	172	3/24
182	130	4/11	5/11	6/10	7/10	8/8	9/7	10/6	11/5	12/4	129	1/2		1/31	3/1		2	173	3/23
183	129	3/31	4/29	5/29	6/28	7/27	8/26	9/25	10/24	11/22		12/22	128	1/20	2/18	3/20	3+	174	3/23
184	128	4/18	5/18	6/17	7/16	8/15	9/14	10/13	11/12	12/11	127	1/10		2/8	3/10		4	175	3/24
185	127	4/8	5/7																

Appendix 2 – The Ezra Calendar

Year	BCE	1-Nisan	2-Ziv	3-Sivan	4-Tammuz	5-Av	6-EIul	7-Tishri	8-Heshvan	9-Kislev	BCE/CE	10-Tevet	BCE/CE	11-Shvat	12-Adar	13-Adar 2	19 Yr	353	Equinox
213	99	3/30	4/28	5/27	6/26	7/25	8/24	9/23	10/23	11/21		12/21	98	1/20	2/18	3/20	14+	204	3/24
214	98	4/18	5/17	6/15	7/15	8/14	9/12	10/12	11/10	12/10	97	1/9		2/7	3/8		15	205	3/23
215	97	4/6	5/6	6/4	7/3	8/2	8/31	9/30	10/30	11/28		12/28	96	1/26	2/25		16	206	3/23
216	96	3/27	4/25	5/25	6/23	7/23	8/21	9/20	10/19	11/18		12/17	95	1/15	2/14	3/16	17+	207	3/23
217	95	4/14	5/14	6/13	7/12	8/11	9/9	10/9	11/7	12/6	94	1/5		2/3	3/5		18	208	3/24
218	94	4/3	5/3	6/2	7/1	7/31	8/30	9/29	10/28	11/26		12/25	93	1/24	2/22		19	209	3/23
219	93	3/23	4/21	5/21	6/19	7/19	8/18	9/17	10/16	11/15		12/14	92	1/12	2/11	3/12	1+	210	3/23
220	92	4/11	5/10	6/9	7/8	8/7	9/6	10/6	11/4	12/4	91	1/2		1/31	3/2		2	211	3/23
221	91	3/31	4/30	5/29	6/28	7/27	8/26	9/25	10/24	11/23		12/22	90	1/21	2/19	3/31	3+	212	3/24
222	90	4/19	5/19	6/17	7/16	8/15	9/14	10/13	11/12	12/11	89	1/10		2/9	3/9		4	213	3/23
223	89	4/8	5/7	6/6	7/5	8/3	9/2	10/1	10/31	11/29		12/29	88	1/28	2/27		5	214	3/23
224	88	3/28	4/27	5/26	6/25	7/24	8/22	9/21	10/20	11/19		12/18	87	1/17	2/16	3/17	6+	215	3/23
225	87	4/16	5/16	6/14	7/14	8/12	9/10	10/10	11/8	12/8	86	1/6		2/5	3/7		7	216	3/24
226	86	4/5	5/5	6/4	7/3	8/2	8/31	9/29	10/29	11/27		12/27	85	1/25	2/24		8	217	3/23
227	85	3/24	4/23	5/23	6/21	7/21	8/19	9/18	10/17	11/16		12/15	84	1/14	2/12	3/14	9+	218	3/23
228	84	4/12	5/12	6/10	7/10	8/9	9/7	10/7	11/6	12/5	83	1/4		2/2	3/3		10+	219	3/23
229	83	4/2	5/1	5/30	6/29	7/28	8/27	9/26	10/26	11/25		12/24	82	1/23	2/21	3/22	11+	220	3/24
230	82	4/21	5/20	6/18	7/18	8/16	9/15	10/15	11/14	12/14	81	1/12		2/11	3/11		12	221	3/23
231	81	4/9	5/9	6/7	7/6	8/5	9/3	10/3	11/2	12/2		12/31	80	1/30	2/28		13	222	3/23
232	80	3/30	4/28	5/27	6/26	7/25	8/24	9/22	10/22	11/21		12/20	79	1/19	2/18	3/19	14+	223	3/23
233	79	4/18	5/17	6/15	7/15	8/13	9/12	10/12	11/10	12/10	78	1/8		2/7	3/8		15	224	3/24
234	78	4/7	5/6	6/5	7/4	8/3	9/2	10/1	10/31	11/29		12/28	77	1/27	2/25		16	225	3/24
235	77	3/26	4/25	5/24	6/23	7/22	8/21	9/20	10/19	11/18		12/17	76	1/15	2/14	3/15	17+	226	3/23
236	76	4/14	5/13	6/12	7/12	8/11	9/9	10/9	11/7	12/6	75	1/5		2/3	3/4		18	227	3/23
237	75	4/3	5/2	6/1	7/1	7/31	8/29	9/28	10/28	11/26		12/25	74	1/24	2/22		19	228	3/23
238	74	3/23	4/22	5/21	6/20	7/20	8/18	9/17	10/17	11/15		12/15	73	1/13	2/12	3/12	1+	229	3/23
239	73	4/11	5/10	6/8	7/8	8/7	9/5	10/5	11/4	12/3	72	1/2		1/31	3/2		2	230	3/23
240	72	3/31	4/30	5/29	6/27	7/27	8/25	9/24	10/23	11/22		12/22	71	1/20	2/19	3/21	3+	231	3/23
241	71	4/19	5/19	6/17	7/16	8/15	9/13	10/13	11/11	12/11	70	1/9		2/8	3/10		4	232	3/23
242	70	4/9	5/8	6/7	7/6	8/4	9/3	10/2	10/31	11/30		12/30	69	1/28	2/27		5	233	3/23
243	69	3/28	4/26	5/26	6/25	7/24	8/22	9/21	10/20	11/18		12/18	68	1/16	2/15	3/17	6+	234	3/23
244	68	4/15	5/15	6/14	7/13	8/12	9/10	10/10	11/8	12/8	67	1/6		2/5	3/6		7	235	3/23
245	67	4/5	5/4	6/3	7/3	8/1	8/31	9/29	10/29	11/27		12/27	66	1/25	2/24		8	236	3/23
246	66	3/25	4/23	5/23	6/21	7/21	8/20	9/18	10/18	11/17		12/16	65	1/15	2/13	3/14	9+	237	3/23
247	65	4/12	5/11	6/10	7/9	8/8	9/6	10/6	11/5	12/5	64	1/4		2/2	3/3		10	238	3/23
248	64	4/2	5/1	5/30	6/28	7/28	8/27	9/25	10/25	11/24		12/24	63	1/22	2/21	3/22	11+	239	3/23
249	63	4/21	5/20	6/18	7/17	8/16	9/15	10/14	11/13	12/13	62	1/2		2/10	3/12		12	240	3/23
250	62	4/10	5/10	6/8	7/7	8/5	9/4	10/4	11/2	12/2	61	1/1		1/30	2/28		13	241	3/23
251	61	3/29	4/28	5/27	6/26	7/25	8/24	9/22	10/22	11/20		12/20	60	1/18	2/17	3/18	14+	242	3/23
252	60	4/17	5/17	6/15	7/15	8/13	9/12	10/12	11/10	12/9	59	1/8		2/6	3/8		15	243	3/23
253	59	4/6	5/6	6/4	7/4	8/3	9/2	10/1	10/30	11/29		12/28	58	1/26	2/25		16	244	3/23
254	58	3/26	4/25	5/24	6/23	7/23	8/22	9/21	10/20	11/19		12/18	57	1/16	2/14	3/15	17+	245	3/23
255	57	4/13	5/13	6/11	7/11	8/10	9/9	10/9	11/7	12/6	56	1/5		2/3	3/4		18	246	3/23
256	56	4/3	5/2	6/1	6/30	7/30	8/29	9/28	10/27	11/26		12/25	55	1/24	2/22		19	247	3/23
257	55	3/24	4/22	5/21	6/20	7/19	8/18	9/17	10/16	11/15		12/14	54	1/13	2/12	3/13	1+	248	3/23
258	54	4/12	5/11	6/9	7/9	8/7	9/6	10/5	11/4	12/3	53	1/2		2/1	3/1		2	249	3/23
259	53	3/31	4/30	5/29	6/27	7/27	8/25	9/24	10/23	11/21		12/21	52	1/20	2/19	3/20	3+	250	3/23
260	52	4/19	5/18	6/17	7/16	8/15	9/13	10/12	11/11	12/10	51	1/9		2/8	3/9		4	251	3/23
261	51	4/8	5/8	6/6	7/6	8/4	9/3	10/2	10/31	11/30		12/29	50	1/28	2/27		5	252	3/23
262	50	3/28	4/27	5/26	6/25	7/25	8/23	9/22	10/21	11/19		12/19	49	1/17	2/16	3/16	6+	253	3/23
263	49	4/15	5/14	6/13	7/13	8/11	9/10	10/10	11/8	12/8	48	1/6		2/5	3/6		7	254	3/23
264	48	4/4	5/4	6/2	7/2	7/31	8/30	9/29	10/28	11/27		12/27	47	1/25	2/24		8	255	3/23
265	47	3/25	4/23	5/23	6/21	7/20	8/19	9/18	10/18	11/17		12/16	46	1/15	2/13	3/15	9+	256	3/23
266	46	4/13	5/12	6/10	7/10	8/8	9/7	10/7	11/6	12/5	45	1/4		2/2	3/3		10	257	3/23
267	45	4/2	5/1	5/30	6/28	7/28	8/26	9/25	10/25	11/23		12/23	44	1/22	2/20	3/22	11+	258	3/23
268	44	4/20	5/20	6/18	7/17	8/16	9/14	10/14	11/13	12/12	43	1/11		2/9	3/11		12	259	3/23
269	43	4/10	5/9	6/8	7/7	8/6	9/4	10/4	11/2	12/2		12/31	42	1/30	2/28		13	260	3/23
270	42	3/30	4/28	5/28	6/27	7/26	8/25	9/23	10/23	11/21		12/21	41	1/19	2/17	3/18	14+	261	3/22
271	41	4/16	5/16	6/15	7/14	8/13	9/12	10/12	11/10	12/9	40	1/7		2/6	3/7		15	262	3/23
272	40	4/6	5/5	6/4	7/3	8/2	9/1	10/1	10/31	11/29		12/28	39	1/26	2/25		16	263	3/23
273	39	3/26	4/25	5/24	6/23	7/22	8/21	9/20	10/19	11/18		12/18	38	1/16	2/14	3/16	17+	264	3/23
274	38	4/14	5/13	6/12	7/12	8/10	9/9	10/9	11/8	12/7	37	1/6		2/4	3/4		18	265	3/22
275	37	4/3	5/2	6/1	6/30	7/30	8/28	9/27	10/26	11/25		12/25	36	1/23	2/22		19	266	3/23
276	36	3/23	4/22	5/21	6/20	7/19	8/18	9/16	10/16	11/14		12/14	35	1/12	2/11	3/13	1+	267	3/23
277	35	4/11	5/11	6/9	7/9	8/7	9/6	10/5	11/3	12/3	34	1/1		1/31	3/2		2	268	3/23
278	34	4/1	4/30	5/30	6/28	7/28	8/26	9/25	10/24	11/22		12/22	33	1/20	2/19	3/20	3+	269	3/22
279	33	4/18	5/18	6/17	7/16	8/15	9/13	10/12	11/11	12/10	32	1/9		2/7	3/9		4	270	3/23
280	32	4/7	5/7	6/6	7/5	8/4	9/3	10/2	10/31	11/30		12/29	31	1/28	2/26		5	271	3/23
281	31	3/28	4/26	5/26	6/24	7/24	8/23	9/21	10/20	11/19		12/19	30	1/17	2/16	3/17	6+	272	3/23
282	30	4/16	5/15	6/14	7/13	8/12	9/10	10/10	11/9	12/9	29	1/7		2/6	3/6		7	273	3/22
283	29	4/4	5/4	6/2	7/1	7/31	8/29	9/28	10/28	11/27		12/27	28	1/25	2/24		8	274	3/23
284	28	3/25	4/23	5/23	6/21	7/20	8/19	9/17	10/17	11/16		12/16	27	1/14	2/13	3/14	9+	275	3/23

Times and Appointed Times

Year	CE	1-Nisan	2-Ziv	3-Sivan	4-Tammuz	5-Av	6-EIul	7-Tishri	8-Heshvan	9-Kislev	BCE/CE	10-Tevet	BCE/CE	11-Shvat	12-Adar	13-Adar 2	19 Yr	353	Equinox
312	1	4/14	5/13	6/12	7/11	8/10	9/9	10/8	11/6	12/6	2	1/4		2/3	3/5		18	303	3/23
313	2	4/3	5/3	6/2	7/1	7/30	8/29	9/27	10/27	11/25		12/24	3	1/23	2/22		19	304	3/23
314	3	3/23	4/22	5/22	6/20	7/20	8/18	9/17	10/16	11/15		12/14	4	1/12	2/11	3/12	14	305	3/22
315	4	4/10	5/10	6/9	7/8	8/7	9/6	10/5	11/3	12/2	5	1/1		1/30	3/1		2	306	3/22
316	5	3/30	4/29	5/29	6/27	7/27	8/26	9/24	10/24	11/22		12/22	6	1/20	2/18	3/20	3+	307	3/22
317	6	4/18	5/18	6/16	7/16	8/15	9/13	10/13	11/12	12/11	7	10/10		2/8	3/10		4	308	3/23
318	7	4/8	5/7	6/6	7/6	8/4	9/2	10/2	11/1	12/1		12/30	8	1/29	2/27		5	309	3/22
319	8	3/28	4/26	5/25	6/24	7/23	8/21	9/20	10/20	11/19		12/18	9	1/17	2/16	3/17	6+	310	3/22
320	9	4/16	5/15	6/13	7/12	8/11	9/9	10/9	11/8	12/7	10	1/6		2/5	3/7		7	311	3/23
321	10	4/5	5/5	6/3	7/2	8/1	8/30	9/28	10/28	11/27		12/26	11	1/25	2/24		8	312	3/23
322	11	3/25	4/23	5/23	6/22	7/21	8/19	9/18	10/17	11/16		12/16	12	1/14	2/13	3/13	9+	313	3/22
323	12	4/12	5/12	6/10	7/10	8/8	9/7	10/6	11/5	12/4	13	1/3		2/1	3/3		10	314	3/22
324	13	4/1	5/1	5/30	6/29	7/28	8/27	9/26	10/25	11/24		12/23	14	1/21	2/20	3/21	11+	315	3/23
325	14	4/20	5/19	6/18	7/18	8/16	9/15	10/15	11/14	12/13	15	1/11		2/9	3/11		12	316	3/23
326	15	4/9	5/9	6/7	7/7	8/5	9/4	10/4	11/3	12/3	16	1/1		1/30	2/28		13	317	3/22
327	16	3/29	4/27	5/26	6/25	7/24	8/23	9/22	10/22	11/21		12/20	17	1/19	2/17	3/19	14+	318	3/22
328	17	4/17	5/16	6/14	7/14	8/13	9/11	10/11	11/10	12/9	18	1/8		2/7	3/8		15	319	3/23
329	18	4/6	5/6	6/4	7/4	8/2	9/1	9/30	10/30	11/28		12/28	19	1/27	2/25		16	320	3/23
330	19	3/27	4/25	5/25	6/23	7/23	8/21	9/20	10/19	11/18		12/17	20	1/16	2/14	3/15	17+	321	3/22
331	20	4/14	5/13	6/12	7/11	8/10	9/8	10/8	11/6	12/5	21	1/4		2/2	3/4		18	322	3/22
332	21	4/3	5/2	6/1	7/1	7/30	8/29	9/27	10/27	11/25		12/24	22	1/23	2/21		19	323	3/22
333	22	3/23	4/21	5/21	6/20	7/20	8/18	9/17	10/16	11/15		12/14	23	1/12	2/11	3/12	1+	324	3/23
334	23	4/11	5/10	6/9	7/9	8/8	9/6	10/6	11/4	12/3	24	1/2		1/31	3/1		2	325	3/22
335	24	3/30	4/29	5/28	6/27	7/26	8/25	9/24	10/23	11/22		12/21	25	1/20	2/18	3/20	3+	326	3/22
336	25	4/18	5/18	6/16	7/16	8/14	9/13	10/12	11/11	12/11	26	1/10		2/8	3/10	4	327	3/22	
337	26	4/8	5/7	6/6	7/5	8/3	9/2	10/1	10/31	11/30		12/30	27	1/28	2/27		5	328	3/23
338	27	3/28	4/27	5/26	6/24	7/24	8/22	9/21	10/20	11/19		12/19	28	1/18	2/16	3/17	6+	329	3/22
339	28	4/15	5/15	6/13	7/12	8/11	9/9	10/9	11/7	12/7	29	1/6		2/4	3/6		7	330	3/22
340	29	4/5	5/4	6/3	7/2	7/31	8/30	9/28	10/28	11/26		12/26	30	1/24	2/23	8	331	3/22	
341	30	3/25	4/23	5/23	6/21	7/21	8/19	9/18	10/17	11/16		12/15	31	1/14	2/12	3/14	9+	332	3/23
342	31	4/12	5/12	6/11	7/10	8/9	9/7	10/7	11/6	12/5	32	1/3		2/2	3/2		10	333	3/22
343	32	4/1	5/1	5/30	6/28	7/28	8/27	9/26	10/25	11/24		12/23	33	1/21	2/20	3/21	11+	334	3/22
344	33	4/19	5/19	6/17	7/17	8/16	9/15	10/15	11/13	12/13	34	1/11		2/9	3/11		12	335	3/22
345	34	4/9	5/8	6/7	7/6	8/5	9/4	10/4	11/2	12/2	35	1/1		1/30	2/28		13	336	3/23
346	35	3/30	4/28	5/27	6/26	7/25	8/24	9/23	10/22	11/21		12/21	36	1/19	2/18	3/18	14+	337	3/22
347	36	4/17	5/16	6/14	7/14	8/12	9/11	10/11	11/9	12/9	37	1/7		2/6	3/8		15	338	3/22
348	37	4/6	5/6	6/4	7/4	8/2	9/1	9/30	10/30	11/28		12/27	38	1/26	2/25		16	339	3/22
349	38	3/26	4/25	5/25	6/23	7/23	8/21	9/20	10/19	11/17		12/17	39	1/15	2/14	3/15	17+	340	3/23
350	39	4/14	5/14	6/12	7/12	8/11	9/9	10/9	11/7	12/6	40	1/5		2/3	3/4		18	341	3/22
351	40	4/2	5/2	5/31	6/30	7/30	8/29	9/27	10/27	11/25		12/24	41	1/23	2/21		19	342	3/22
352	41	3/22	4/21	5/21	6/19	7/19	8/18	9/17	10/16	11/14		12/14	42	1/12	2/11	3/12	1+	343	3/22
353	42	4/10	5/10	6/8	7/8	8/7	9/5	10/5	11/4	12/3	43	1/1		1/31	3/2		2	344	3/23
354	43	3/31	4/29	5/29	6/27	7/27	8/25	9/24	10/24	11/22		12/22	44	1/21	2/19	3/20	2+	345	3/22
355	44	4/18	5/18	6/16	7/15	8/14	9/12	10/12	11/10	12/10	45	1/9		2/8	3/9		4	346	3/22
356	45	4/8	5/7	6/6	7/5	8/3	9/2	10/1	10/31	11/29		12/29	46	1/28	2/27		5	347	3/22
357	46	3/28	4/27	5/26	6/25	7/24	8/22	9/20	10/20	11/19		12/18	47	1/17	2/16	3/17	6+	348	3/23
358	47	4/16	5/16	6/14	7/13	8/12	9/10	10/10	11/8	12/8	48	1/6		2/5	3/5		7	349	3/22
359	48	4/4	5/4	6/2	7/2	7/31	8/30	9/28	10/28	11/26		12/26	49	1/24	2/23	8	350	3/22	
360	49	3/24	4/23	5/22	6/21	7/20	8/19	9/18	10/18	11/16		12/15	50	1/14	2/12	3/13	9+	351	3/22
361	50	4/12	5/11	6/10	7/9	8/8	9/7	10/7	11/6	12/5	51	1/4		2/2	3/3		10	352	3/23
362	51	4/1	5/1	5/30	6/29	7/28	8/27	9/26	10/26	11/25		12/24	52	1/22	2/21		11	353	3/23
363	52	3/21	4/19	5/19	6/17	7/16	8/15	9/14	10/14	11/13		12/12	53	1/1	2/9	3/11	1+	354	3/22
364	53	4/9	5/8	6/7	7/6	8/5	9/3	10/3	11/2	12/1		12/31	54	1/30	2/28		2	355	3/22
365	54	3/30	4/28	5/27	6/26	7/25	8/24	9/22	10/22	11/20		12/20	55	1/19	2/17	3/19	3+	356	3/22
366	55	4/17	5/17	6/15	7/15	8/13	9/12	10/11	11/10	12/9	56	1/8		2/6	3/7		4	357	3/22
367	56	4/6	5/5	6/4	7/4	8/2	9/1	9/30	10/29	11/28		12/27	57	1/25	2/24		5	358	3/22
368	57	3/26	4/24	5/24	6/23	7/23	8/21	9/20	10/19	11/17		12/17	58	1/15	2/13	3/15	6+	359	3/22
369	58	4/13	5/13	6/12	7/12	8/10	9/9	10/9	11/7	12/6	59	1/5		2/3	3/4		7	360	3/22
370	59	4/3	5/2	6/1	7/1	7/30	8/29	9/28	10/27	11/26		12/25	60	1/24	2/22		8	361	3/22
371	60	3/22	4/21	5/20	6/19	7/18	8/17	9/16	10/15	11/14		12/14	61	1/12	2/11	3/12	9+	362	3/22
372	61	4/10	5/10	6/8	7/8	8/6	9/5	10/4	11/3	12/3	62	1/1		1/31	3/1		10	363	3/22
373	62	3/31	4/30	5/29	6/27	7/27	8/25	9/23	10/23	11/22		12/22	63	1/20	2/19	3/21	11+	364	3/22
374	63	4/19	5/19	6/17	7/16	8/15	9/13	10/12	11/11	12/11	64	1/9		2/8	3/9		12	365	3/22
375	64	4/7	5/7	6/5	7/5	8/3	9/1	10/1	10/30	11/29		12/29	65	1/28	2/26		13	366	3/22
376	65	3/27	4/26	5/26	6/24	7/24	8/22	9/21	10/20	11/18		12/18	66	1/17	2/15	3/16	14+	367	3/22
377	66	4/15	5/15	6/13	7/13	8/12	9/10	10/10	11/8	12/8	67	1/6		2/4	3/6		15	368	3/22
378	67	4/4	5/4	6/2	7/2	8/1	8/30	9/29	10/29	11/27		12/27	68	1/25	2/23		16	369	3/22
379	68	3/24	4/22	5/22	6/20	7/20	8/18	9/17	10/17	11/16		12/15	69	1/14	2/12	3/13	17+	370	3/22
380	69	4/12	5/11	6/9	7/9	8/7	9/6	10/6	11/5	12/5	70	1/3		2/2	3/3		18	371	3/22
381	70	4/1	5/1	5/30	6/28	7/28	8/26	9/25	10/25	11/24		12/24	71	1/22	2/21		19	372	3/22
382	71	3/22	4/20	5/20	6/18	7/17	8/16	9/15	10/14	11/13		12/12	72	1/11	2/10	3/10	1+	20	3/22
383	72	4/9	5/8	6/7	7/6	8/5	9/3	10/3	11/1	12/1		12/30	73	1/29	2/28		2	373	3/22
384	73	3/29	4/28	5/27	6/26	7/25													

Appendix 3 – Fifth Year of Jehoiachin’s Exile

1 - Nisan 3352							Julian Dates Mar-Apr 593 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
					1	2						31	1
3	4	5	6	7	8	9	2	3	4	5	6	7	8
10	11	12	13	14	15	16	9	10	11	12	13	14	15
17	18	19	20	21	22	23	16	17	18	19	20	21	22
24	25	26	27	28	29	30	23	24	25	26	27	28	29

2 - Ziv 3352							Julian Dates Apr-May 593 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
1	2	3	4	5	6	7	30	1	2	3	4	5	6
8	9	10	11	12	13	14	7	8	9	10	11	12	13
15	16	17	18	19	20	21	14	15	16	17	18	19	20
22	23	24	25	26	27	28	21	22	23	24	25	26	27
29							28						

3 - Sivan 3352							Julian Dates May-Jun 593 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
	1	2	3	4	5	6							
7	8	9	10	11	12	13	4	5	6	7	8	9	10
14	15	16	17	18	19	20	11	12	13	14	15	16	17
21	22	23	24	25	26	27	18	19	20	21	22	23	24
28	29						25	26					

4 - Tammuz 3352							Julian Dates Jun-Jul 593 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
		1	2	3	4	5			27	28	29	30	1
6	7	(Ezekiel 3:15-16)		10	11	12	2	3	4	5	6	7	8
Food Prep	15		16	17	18	19	9	10	11	12	13	14	15
20	21	22	23	24	25	26	16	17	18	19	20	21	22
27	28	29	30				23	24	25	26			

5 - Av 3352							Julian Dates Jul-Aug 593 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
				1	2	3					27	28	29
4	5	6	7	8	9	10	30	31	1	2	3	4	5
11	12	13	14	15	16	17	6	7	8	9	10	11	12
18	19	20	21	22	23	24	13	14	15	16	17	18	19
25	26	27	28	29			20	21	22	23	24		

6 - Elul 3352							Julian Dates Aug-Sep 593 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
					1	2						25	26
3	4	5	6	7	8	9	27	28	29	30	31	1	2
10	11	12	13	14	15	16	3	4	5	6	7	8	9
17	18	19	20	21	22	23	10	11	12	13	14	15	16
24	25	26	27	28	29	30	17	18	19	20	21	22	23

7 - Tishri 3352							Julian Dates Sep-Oct 593 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
1	2	3	4	5	6	7	24	25	26	27	28	29	30
8	9	10	11	12	13	14	1	2	3	4	5	6	7
15	16	17	18	19	20	21	8	9	10	11	12	13	14
22	23	24	25	26	27	28	15	16	17	18	19	20	21
29							22						

Times and Appointed Times

8 - Bul 3352

1	2	3	4	5	6	שבת
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

144
Days

Julian Dates Oct-Nov 593 BCE

1	2	3	4	5	6	שבת
	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21				

9 - Kislev 3352

1	2	3	4	5	6	שבת
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29			

173
Days

Julian Dates Nov-Dec 593 BCE

1	2	3	4	5	6	שבת
			22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20			

10 - Tevet 3352

1	2	3	4	5	6	שבת
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

203
Days

Julian Dates Dec 593 - Jan 592 BCE

1	2	3	4	5	6	שבת
				21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	

11 - Sh'vat 3352

1	2	3	4	5	6	שבת
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

233
Days

Julian Dates Jan-Feb 592 BCE

1	2	3	4	5	6	שבת
						20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18						

12 - Adar 3352

1	2	3	4	5	6	שבת
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

263
Days

Julian Dates Feb-Mar 592 BCE

1	2	3	4	5	6	שבת
	19	20	21	22	23	24
25	26	27	28	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20				

13 - Adar ב 3352

1	2	3	4	5	6	שבת
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29			

292
Days

Julian Dates Mar-Apr 592 BCE

1	2	3	4	5	6	שבת
			21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18			

1 - Nisan 3353

1	2	3	4	5	6	שבת
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

321
Days

Julian Dates Apr-May 592 BCE

1	2	3	4	5	6	שבת
				19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17		

Appendix 3 – Fifth Year of Jehoiachin’s Exile

2 - Ziv 3353							Julian Dates May-Jun 592 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
					1	2						18	19
3	4	5	6	7	8	9	20	21	22	23	24	25	26
10	11	12	13	14	15	16	27	28	29	30	31	1	2
17	18	19	20	21	22	23	3	4	5	6	7	8	9
24	25	26	27	28	29	30	10	11	12	13	14	15	16
							351 Days						
3 - Sivan 3353							Julian Dates Jun-Jul 592 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
1	2	3	4	5	6	7	17	18	19	20	21	22	23
8	9	10	11	12	13	14	24	25	26	27	28	29	30
15	16	17	18	19	20	21	1	2	3	4	5	6	7
22	23	24	25	26	27	28	8	9	10	11	12	13	14
29	30						15	16					
							381 Days						
4 - Tammuz 3353							Julian Dates Jul-Aug 592 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
		1	2	3	4	5			17	18	19	20	21
6	7	8	9	10	11	12	22	23	24	25	26	27	28
13	14	15	16	17	18	19	29	30	31	1	2	3	4
20	21	22	23	24	25	26	5	6	7	8	9	10	11
27	28	29					12	13	14				
							410 Days						
5 - Av 3353							Julian Dates Aug-Sep 592 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
			1	2	3	4				15	16	17	18
5	6	7	8	9	10	11	19	20	21	22	23	24	25
12	13	14	15	16	17	18	26	27	28	29	30	31	1
19	20	21	22	23	24	25	2	3	4	5	6	7	8
26	27	28	29				9	10	11	12			
							439 Days						
6 - Elul 3353							Julian Dates Sep-Oct 592 BCE						
1	2	3	4	5	6	שבת	1	2	3	4	5	6	שבת
				1	2	3					13	14	15
4	5	6	7	8	9	10	16	17	18	19	20	21	22
11	12	13	14	15	16	17	23	24	25	26	27	28	29
18	19	20	21	22	23	24	30	1	2	3	4	5	6
25	26	27	28	29			7	8	9	10	11		
							444 Days						

The total allotted time accommodates all the biblical data: the initial revelation, a week with the exiles, a few days for food preparation, three hundred and ninety days on his left side and forty days on his right side. It would have even allowed him to finish his assignment before what I can imagine would have been a most welcome Sabbath, if that’s the way it actually worked out. Only an intercalated year can accommodate this information.

Appendix 4 – Calendars 25 CE to 28 CE

4619

25 CE

4620

january						
1	2	3	4	5	6	ז
	1	2	3	4	5	6
7	8	9	10	11	7	13
14	15	16	17	18	19	10
21	22	23	24	25	26	27
28	29	30	31			

april						
1	2	3	4	5	6	ז
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	1	19	20	21
22	23	24	25	26	27	28
29	30					

july						
1	2	3	4	5	6	ז
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	4	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

october						
1	2	3	4	5	6	ז
	1	2	3	4	5	6
7	8	9	10	11	1	13
14	15	16	17	18	19	20
10	22	23	24	25	15	27
28	29	30	31			

february						
1	2	3	4	5	6	ז
				1	2	3
4	5	6	7	8	9	10
8	12	13	14	15	16	17
11	19	20	21	22	23	24
25	26	27	28			

may						
1	2	3	4	5	6	ז
		ז	15	3	4	5
6	7	21	9	10	11	12
13	14	15	16	17	2	19
20	21	22	23	24	25	26
27	28	29	30	31		

august						
1	2	3	4	5	6	ז
			1	2	3	4
5	6	7	8	9	10	11
12	13	5	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

november						
1	2	3	4	5	6	ז
					1	22
3						
4	5	6	7	8	9	10
8	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

march						
1	2	3	4	5	6	ז
				1	2	3
4	5	6	7	8	9	10
8	12	13	14	15	16	17
11	19	12	21	22	23	24
25	26	27	28	29	30	

june						
1	2	3	4	5	6	ז
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	3
17	18	19	20	21	22	23
24	50	26	27	28	29	30

september						
1	2	3	4	5	6	ז
						1
2	3	4	5	6	7	8
9	10	11	12	6	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

december						
1	2	3	4	5	6	ז
						1
2	3	4	5	6	7	8
9	10	9	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

4620

26 CE

4621

january						
1	2	3	4	5	6	ז
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

april						
1	2	3	4	5	6	ז
		1	2	3	4	5
6	7	1	9	10	11	12
13	14	15	16	17	18	19
20	21	9	15	24	25	26
27	28	21	30			

july						
1	2	3	4	5	6	ז
			1	2	3	4
5	6	4	6			
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

october						
1	2	3	4	5	6	ז
			1	2	3	4
5						
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	8		

february						
1	2	3	4	5	6	ז
					1	2
3	4	5	6	7	11	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

may						
1	2	3	4	5	6	ז
				1	2	3
4						
5	6	2	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

august						
1	2	3	4	5	6	ז
					1	2
3						5
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

november						
1	2	3	4	5	6	ז
						1
2						
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	9

march						
1	2	3	4	5	6	ז
					1	2
3	4	5	6	7	8	9
12	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

june						
1	2	3	4	5	6	ז
						1
2	3	4	5	3	7	8
9	10	11	12	13	14	15
50	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

september						
1	2	3	4	5	6	ז
1	6	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

december						
1	2	3	4	5	6	ז
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	10	31				

4621

27 CE

4622

january						
1	2	3	4	5	6	ש
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	11	29	30	31	

april						
1	2	3	4	5	6	ש
		1	2	3	4	5
6	7	8	9	10	פ	15
13	14	15	16	17	21	19
20	21	22	23	24	25	26
2	28	29	30			

july						
1	2	3	4	5	6	ש
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	5	25	26
27	28	29	30	31		

october						
1	2	3	4	5	6	ש
			1	2	3	4
15	6	7	8	9	10	11
22	13	14	15	16	17	18
19	8	21	22	23	24	25
26	27	28	29	30	31	

february						
1	2	3	4	5	6	ש
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	12	28	

may						
1	2	3	4	5	6	ש
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	3	27	28	29	30	31

august						
1	2	3	4	5	6	ש
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	6	23
24	25	26	27	28	29	30
31						

november						
1	2	3	4	5	6	ש
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	9	20	21	22
23	24	25	26	27	28	29
30						

march						
1	2	3	4	5	6	ש
						1
2	3	4	5	3	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	1
30	31					

june						
1	2	3	4	5	6	ש
50	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	4	25	26	27	28
29	30					

september						
1	2	3	4	5	6	ש
		1	2	3	4	5
7	8	9	10	11	12	13
14	15	16	17	18	19	20
1	22	23	24	25	26	27
28	29	10				

december						
1	2	3	4	5	6	ש
		1	2	3	4	5
7	8	9	10	11	12	13
14	15	16	17	18	10	20
21	22	23	24	25	26	27
28	29	30	31			

4622

28 CE

4623

january						
1	2	3	4	5	6	ש
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
11	19	20	21	22	23	24
25	26	27	28	29	30	31

april						
1	2	3	4	5	6	ש
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	1	16	17
18	19	20	21	22	23	24
25	26	27	פ	15	30	

july						
1	2	3	4	5	6	ש
				1	2	3
4	5	6	7	8	9	10
11	4	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

october						
1	2	3	4	5	6	ש
					1	2
3	4	5	6	7	8	1
10	11	12	13	14	15	16
17	10	19	20	21	22	15
24	25	26	27	28	29	22
31						

february						
1	2	3	4	5	6	ש
1	2	3	4	5	6	1
8	9	10	11	12	13	8
15	12	17	18	19	20	15
22	23	24	25	26	27	22
29						

may						
1	2	3	4	5	6	ש
						1
2	3	4	21	6	7	8
9	10	11	12	13	14	2
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

august						
1	2	3	4	5	6	ש
1	2	3	4	5	6	1
8	9	10	5	12	13	8
15	16	17	18	19	20	15
22	23	24	25	26	27	22
29	30	31				

november						
1	2	3	4	5	6	ש
		1	2	3	4	5
8	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

march						
1	2	3	4	5	6	ש
		1	2	3	4	5
7	8	9	10	11	12	13
14	15	16	13	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

june						
1	2	3	4	5	6	ש
				1	2	3
6	7	8	9	10	11	12
3	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

september						
1	2	3	4	5	6	ש
				1	2	3
5	6	7	8	6	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

december						
1	2	3	4	5	6	ש
				1	2	3
5	6	9	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Appendix 5 – The Order of Abijah

The divisions of the Priesthood served from Sabbath to Sabbath. The incoming order therefore overlapped the outgoing. In order to simplify things, I have laid out the rotation beginning with the first day of the week. As has already been pointed out, the 24-course, weekly rotation was not based on the start of the month or the start of the year, as the number of courses in a year and the number of weeks in a year do not align. For that reason, I laid out the following table based on a “solar” year of 52 weeks, beginning with the first full week in *Nisan*, 3938 CR | 7 BCE, and ending with *Av*, 4014 CR | 70 CE. The Temple service came to an end on the seventeenth of the Fourth Month (*Tammuz*) according to Josephus. This table is based on the rabbinic claim that Jehoiarib was the last order to serve before the Temple was destroyed. My hypothesis is that this claim was made by extrapolating the actual data from 68 CE (the year the data indicates that the destruction actually took place) to 70 CE (the year erroneously assigned to the event). The table was laid out working back from 4014 CR | 70 CE to 3938 CR | 7 BCE. Zechariah would have thus been in the Temple the fourteenth week of the year. This leads us to a most profound conclusion: it is not just possible that Yeshua’s birth aligned with *Sukkot* that year, it is highly probable. But again, this is speculation...

Appendix 5 – The Order of Abijah

#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year				
1	Jehoiarib	47		15	Bilgah	29		5	Malchijah	11		19	Pethahiah	45		9	Jeshua	27		23	Delaiah	9		13	Huppah	43		3	Harim	25		17	Hezir	7	
2	Jedaiah	48		16	Immer	30		6	Mijamin	12		20	Jehezekel	46		10	Shecaniah	28		24	Maaziah	10		14	Jeshebeab	44		4	Seorim	26		18	Happizez	8	
3	Harim	49		17	Hakkoz	31		7	Hakkoz	13		21	Jachin	47		11	Eliashib	29		1	Jehoiarib	11		15	Bilgah	45		5	Malchijah	27		19	Pethahiah	9	
4	Seorim	50		18	Happizez	32		8	Abijah	14		22	Gamul	48		12	Jakim	30		2	Jedaiah	12		16	Immer	46		6	Mijamin	28		20	Jehezekel	10	
5	Malchijah	51		19	Pethahiah	33		9	Jeshua	15		23	Delaiah	49		13	Huppah	31		3	Harim	13		17	Hezir	47		7	Hakkoz	29		21	Jachin	11	
6	Mijamin	52		20	Jehezekel	34		10	Shecaniah	16		24	Maaziah	50		14	Jeshebeab	32		4	Seorim	14		18	Happizez	48		8	Abijah	30		22	Gamul	12	
7	Hakkoz	1	4604	21	Jachin	35		11	Eliashib	17		1	Jehoiarib	51		15	Bilgah	33		5	Malchijah	15		19	Pethahiah	49		9	Jeshua	31		23	Delaiah	13	
8	Abijah	2	9 CE	22	Gamul	36		12	Jakim	18		2	Jedaiah	52		16	Immer	34		6	Mijamin	16		20	Jehezekel	50		10	Shecaniah	32		24	Maaziah	14	
9	Jeshua	3		23	Delaiah	37		13	Huppah	19		3	Harim	1	4609	17	Hezir	35		7	Hakkoz	17		21	Jachin	51		11	Eliashib	33		1	Jehoiarib	15	
10	Shecaniah	4		24	Maaziah	38		14	Jeshebeab	20		4	Seorim	2	14 CE	18	Happizez	36		8	Abijah	18		22	Gamul	52		12	Jakim	34		2	Jedaiah	16	
11	Eliashib	5		1	Jehoiarib	39		15	Bilgah	21		5	Malchijah	3		19	Pethahiah	37		9	Jeshua	19		23	Delaiah	1	4614	13	Huppah	35		3	Harim	17	
12	Jakim	6		2	Jedaiah	40		16	Immer	22		6	Mijamin	4		20	Jehezekel	38		10	Shecaniah	20		24	Maaziah	2	19 CE	14	Jeshebeab	36		4	Seorim	18	
13	Huppah	7		3	Harim	41		17	Hezir	23		7	Hakkoz	5		21	Jachin	39		11	Eliashib	21		1	Jehoiarib	3		15	Bilgah	37		5	Malchijah	19	
14	Jeshebeab	8		4	Seorim	42		18	Happizez	24		8	Abijah	6		22	Gamul	40		12	Jakim	22		2	Jedaiah	4		16	Immer	38		6	Mijamin	20	
15	Bilgah	9		5	Malchijah	43		19	Pethahiah	25		9	Jeshua	7		23	Delaiah	41		13	Huppah	23		3	Harim	5		17	Hezir	39		7	Hakkoz	21	
16	Immer	10		6	Mijamin	44		20	Jehezekel	26		10	Shecaniah	8		24	Maaziah	42		14	Jeshebeab	24		4	Seorim	6		18	Happizez	40		8	Abijah	22	
17	Hezir	11		7	Hakkoz	45		21	Jachin	27		11	Eliashib	9		1	Jehoiarib	43		15	Bilgah	25		5	Malchijah	7		19	Pethahiah	41		9	Jeshua	23	
18	Happizez	12		8	Abijah	46		22	Gamul	28		12	Jakim	10		2	Jedaiah	44		16	Immer	26		6	Mijamin	8		20	Jehezekel	42		10	Shecaniah	24	
19	Pethahiah	13		9	Jeshua	47		23	Delaiah	29		13	Huppah	11		3	Harim	45		17	Hezir	27		7	Hakkoz	9		21	Jachin	43		11	Eliashib	25	
20	Jehezekel	14		10	Shecaniah	48		24	Maaziah	30		14	Jeshebeab	12		4	Seorim	46		18	Happizez	28		8	Abijah	10		22	Gamul	44		12	Jakim	26	
21	Jachin	15		11	Eliashib	49		1	Jehoiarib	31		15	Bilgah	13		5	Malchijah	47		19	Pethahiah	29		9	Jeshua	11		23	Delaiah	45		13	Huppah	27	
22	Gamul	16		12	Jakim	50		2	Jedaiah	32		16	Immer	14		6	Mijamin	48		20	Jehezekel	30		10	Shecaniah	12		24	Maaziah	46		14	Jeshebeab	28	
23	Delaiah	17		13	Huppah	51		3	Harim	33		17	Hezir	15		7	Hakkoz	49		21	Jachin	31		11	Eliashib	13		1	Jehoiarib	47		15	Bilgah	29	
24	Maaziah	18		14	Jeshebeab	52		4	Seorim	34		18	Happizez	16		8	Abijah	50		22	Gamul	32		12	Jakim	14		2	Jedaiah	48		16	Immer	30	
1	Jehoiarib	19		15	Bilgah	1	4606	5	Malchijah	35		19	Pethahiah	17		9	Jeshua	51		23	Delaiah	33		13	Huppah	15		3	Harim	49		17	Hezir	31	
2	Jedaiah	20		16	Immer	2	11 CE	6	Mijamin	36		20	Jehezekel	18		10	Shecaniah	52		24	Maaziah	34		14	Jeshebeab	16		4	Seorim	50		18	Happizez	32	
3	Harim	21		17	Hezir	3		7	Hakkoz	37		21	Jachin	19		11	Eliashib	1	4611	1	Jehoiarib	35		15	Bilgah	17		5	Malchijah	51		19	Pethahiah	33	
4	Seorim	22		18	Happizez	4		8	Abijah	38		22	Gamul	20		12	Jakim	2	16 CE	2	Jedaiah	36		16	Immer	18		6	Mijamin	52		20	Jehezekel	34	
5	Malchijah	23		19	Pethahiah	5		9	Jeshua	39		23	Delaiah	21		13	Huppah	3		3	Harim	37		17	Hezir	19		7	Hakkoz	1	4616	21	Jachin	35	
6	Mijamin	24		20	Jehezekel	6		10	Shecaniah	40		24	Maaziah	22		14	Jeshebeab	4		4	Seorim	38		18	Happizez	20		8	Abijah	2	21 CE	22	Gamul	36	
7	Hakkoz	25		21	Jachin	7		11	Eliashib	41		1	Jehoiarib	23		15	Bilgah	5		5	Malchijah	39		19	Pethahiah	21		9	Jeshua	3		23	Delaiah	37	
8	Abijah	26		22	Gamul	8		12	Jakim	42		2	Jedaiah	24		16	Immer	6		6	Mijamin	40		20	Jehezekel	22		10	Shecaniah	4		24	Maaziah	38	
9	Jeshua	27		23	Delaiah	9		13	Huppah	43		3	Harim	25		17	Hezir	7		7	Hakkoz	41		21	Jachin	23		11	Eliashib	5		1	Jehoiarib	39	
10	Shecaniah	28		24	Maaziah	10		14	Jeshebeab	44		4	Seorim	26		18	Happizez	8		8	Abijah	42		22	Gamul	24		12	Jakim	6		2	Jedaiah	40	
11	Eliashib	29		1	Jehoiarib	11		15	Bilgah	45		5	Malchijah	27		19	Pethahiah	9		9	Jeshua	43		23	Delaiah	25		13	Huppah	7		3	Harim	41	
12	Jakim	30		2	Jedaiah	12		16	Immer	46		6	Mijamin	28		20	Jehezekel	10		10	Shecaniah	44		24	Maaziah	26		14	Jeshebeab	8		4	Seorim	42	
13	Huppah	31		3	Harim	13		17	Hezir	47		7	Hakkoz	29		21	Jachin	11		11	Eliashib	45		1	Jehoiarib	27		15	Bilgah	9		5	Malchijah	43	
14	Jeshebeab	32		4	Seorim	14		18	Happizez	48		8	Abijah	30		22	Gamul	12		12	Jakim	46		2	Jedaiah	28		16	Immer	10		6	Mijamin	44	
15	Bilgah	33		5	Malchijah	15		19	Pethahiah	49		9	Jeshua	31		23	Delaiah	13		13	Huppah	47		3	Harim	29		17	Hezir	11		7	Hakkoz	45	
16	Immer	34		6	Mijamin	16		20	Jehezekel	50		10	Shecaniah	32		24	Maaziah	14		14	Jeshebeab	48		4	Seorim	30		18	Happizez	12		8	Abijah	46	
17	Hezir	35		7	Hakkoz	17		21	Jachin	51		11	Eliashib	33		1	Jehoiarib	15		15	Bilgah	49		5	Malchijah	31		19	Pethahiah	13		9	Jeshua	47	
18	Happizez	36		8	Abijah	18		22	Gamul	52		12	Jakim	34		2	Jedaiah	16		16	Immer	50		6	Mijamin	32		20	Jehezekel	14		10	Shecaniah	48	
19	Pethahiah	37		9	Jeshua	19		23	Delaiah	1	4608	13	Huppah	35		3	Harim	17		17	Hezir	51		7	Hakkoz	33		21	Jachin	15		11	Eliashib	49	
20	Jehezekel	38		10	Shecaniah	20		24	Maaziah	2	13 CE	14	Jeshebeab	36		4	Seorim	18		18	Happizez	52		8	Abijah	34		22	Gamul	16		12	Jakim	50	
21	Jachin	39		11	Eliashib	21		1	Jehoiarib	3		15	Bilgah	37		5	Malchijah	19		19	Pethahiah	1	4613	9	Jeshua	35		23	Delaiah	17		13	Huppah	51	
22	Gamul	40		12	Jakim	22		2	Jedaiah	4		16	Immer	38		6	Mijamin	20		20	Jehezekel	2	18 CE	10	Shecaniah	36		24	Maaziah	18		14	Jeshebeab	52	
23	Delaiah	41		13	Huppah	23		3	Harim	5		17	Hezir	39		7	Hakkoz	21		21	Jachin	3		11	Eliashib	37		1	Jehoiarib	19		15	Bilgah	1	4618
24	Maaziah	42		14	Jeshebeab	24		4	Seorim	6		18	Happizez	40		8	Abijah	22		22	Gamul	4		12	Jakim	38		2	Jedaiah	20		16	Immer	2	23 CE
1	Jehoiarib	43		15	Bilgah	25		5	Malchijah	7		19	Pethahiah	41		9	Jeshua	23		23	Delaiah	5		13	Huppah	39		3	Harim	21		17	Hezir	3	
2	Jedaiah	44		16	Immer	26		6	Mijamin	8		20	Jehezekel	42		10	Shecaniah	24		24	Maaziah	6		14	Jeshebeab	40		4	Seorim	22		18	Happizez	4	
3	Harim	45		17	Hezir	27		7	Hakkoz	9		21	Jachin	43		11	Eliashib	25		1	Jehoiarib	7		15	Bilgah	41		5	Malchijah	23		19	Pethahiah	5	
4	Seorim	46		18	Happizez	28		8	Abijah	10		22	Gamul	44		12	Jakim	26		2	Jedaiah	8		16	Immer	42		6	Mijamin						

Times and Appointed Times

#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year				
7	Hakkoz	41		21	Jachin	23		11	Eliashib	5		1	Jehoiarib	39		15	Bilgah	21		5	Malchijah	3		19	Pethahiah	37		9	Jeshua	19		23	Delaiah	1	4632
8	Abijah	42		22	Gamul	24		12	Jakim	6		2	Jedaiah	40		16	Immer	22		6	Mijamin	4		20	Jehezekel	38		10	Shecaniah	20		24	Maaziah	2	37 CE
9	Jeshua	43		23	Delaiah	25		13	Huppah	7		3	Harim	41		17	Hezir	23		7	Hakkoz	5		21	Jachin	39		11	Eliashib	21		1	Jehoiarib	3	
10	Shecaniah	44		24	Maaziah	26		14	Jeshebeab	8		4	Seorim	42		18	Happizez	24		8	Abijah	6		22	Gamul	40		12	Jakim	22		2	Jedaiah	4	
11	Eliashib	45		1	Jehoiarib	27		15	Bilgah	9		5	Malchijah	43		19	Pethahiah	25		9	Jeshua	7		23	Delaiah	41		13	Huppah	23		3	Harim	5	
12	Jakim	46		2	Jedaiah	28		16	Immer	10		6	Mijamin	44		20	Jehezekel	26		10	Shecaniah	8		24	Maaziah	42		14	Jeshebeab	24		4	Seorim	6	
13	Huppah	47		3	Harim	29		17	Hezir	11		7	Hakkoz	45		21	Jachin	27		11	Eliashib	9		1	Jehoiarib	43		15	Bilgah	25		5	Malchijah	7	
14	Jeshebeab	48		4	Seorim	30		18	Happizez	12		8	Abijah	46		22	Gamul	28		12	Jakim	10		2	Jedaiah	44		16	Immer	26		6	Mijamin	8	
15	Bilgah	49		5	Malchijah	31		19	Pethahiah	13		9	Jeshua	47		23	Delaiah	29		13	Huppah	11		3	Harim	45		17	Hezir	27		7	Hakkoz	9	
16	Immer	50		6	Mijamin	32		20	Jehezekel	14		10	Shecaniah	48		24	Maaziah	30		14	Jeshebeab	12		4	Seorim	46		18	Happizez	28		8	Abijah	10	
17	Hezir	51		7	Hakkoz	33		21	Jachin	15		11	Eliashib	49		1	Jehoiarib	31		15	Bilgah	13		5	Malchijah	47		19	Pethahiah	29		9	Jeshua	11	
18	Happizez	52		8	Abijah	34		22	Gamul	16		12	Jakim	50		2	Jedaiah	32		16	Immer	14		6	Mijamin	48		20	Jehezekel	30		10	Shecaniah	12	
19	Pethahiah	1	4619	9	Jeshua	35		23	Delaiah	17		13	Huppah	51		3	Harim	33		17	Hezir	15		7	Hakkoz	49		21	Jachin	31		11	Eliashib	13	
20	Jehezekel	2	24 CE	10	Shecaniah	36		24	Maaziah	18		14	Jeshebeab	52		4	Seorim	34		18	Happizez	16		8	Abijah	50		22	Gamul	32		12	Jakim	14	
21	Jachin	3		11	Eliashib	37		1	Jehoiarib	19		15	Bilgah	1	4624	5	Malchijah	35		19	Pethahiah	17		9	Jeshua	51		23	Delaiah	33		13	Huppah	15	
22	Gamul	4		12	Jakim	38		2	Jedaiah	20		16	Immer	2	29 CE	6	Mijamin	36		20	Jehezekel	18		10	Shecaniah	52		24	Maaziah	34		14	Jeshebeab	16	
23	Delaiah	5		13	Huppah	39		3	Harim	21		7	Hakkoz	37		7	Hakkoz	37		21	Jachin	19		11	Eliashib	1	4629	1	Jehoiarib	35		15	Bilgah	17	
24	Maaziah	6		14	Jeshebeab	40		4	Seorim	22		8	Abijah	38		8	Abijah	38		22	Gamul	20		12	Jakim	2	34 CE	2	Jedaiah	36		16	Immer	18	
1	Jehoiarib	7		15	Bilgah	41		5	Malchijah	23		9	Pethahiah	39		9	Jeshua	39		23	Delaiah	21		13	Huppah	3		3	Harim	37		17	Hezir	19	
2	Jedaiah	8		16	Immer	42		6	Mijamin	24		10	Shecaniah	40		10	Shecaniah	40		24	Maaziah	22		14	Jeshebeab	4		4	Seorim	38		18	Happizez	20	
3	Harim	9		17	Hezir	43		7	Hakkoz	25		11	Eliashib	41		1	Jehoiarib	23		15	Bilgah	5		5	Malchijah	39		19	Pethahiah	30		21	Jachin	21	
4	Seorim	10		18	Happizez	44		8	Abijah	26		12	Jakim	42		2	Jedaiah	24		16	Immer	6		6	Mijamin	40		20	Jehezekel	40		22	Gamul	22	
5	Malchijah	11		19	Pethahiah	45		9	Jeshua	27		13	Huppah	43		3	Harim	25		17	Hezir	7		7	Hakkoz	41		21	Jachin	23		23	Delaiah	24	
6	Mijamin	12		20	Jehezekel	46		10	Shecaniah	28		14	Jeshebeab	10		4	Seorim	26		18	Happizez	8		8	Abijah	42		22	Gamul	24		24	Maaziah	25	
7	Hakkoz	13		21	Jachin	47		11	Eliashib	29		1	Jehoiarib	11		5	Malchijah	27		19	Pethahiah	9		9	Jeshua	43		23	Delaiah	25		25	Delaiah	26	
8	Abijah	14		22	Gamul	48		12	Jakim	30		2	Jedaiah	12		6	Mijamin	28		20	Jehezekel	10		10	Shecaniah	44		24	Maaziah	26		26	Maaziah	27	
9	Jeshua	15		23	Delaiah	49		13	Huppah	31		3	Harim	13		7	Hakkoz	29		21	Jachin	11		11	Eliashib	45		1	Jehoiarib	27		27	Delaiah	28	
10	Shecaniah	16		24	Maaziah	50		14	Jeshebeab	32		4	Seorim	14		18	Happizez	48		8	Abijah	30		22	Gamul	12		12	Jakim	28		28	Gamul	29	
11	Eliashib	17		1	Jehoiarib	51		15	Bilgah	33		5	Malchijah	15		19	Pethahiah	49		9	Jeshua	31		13	Huppah	13		13	Huppah	29		29	Delaiah	30	
12	Jakim	18		2	Jedaiah	52		16	Immer	34		6	Mijamin	16		20	Jehezekel	50		10	Shecaniah	32		14	Jeshebeab	14		14	Jeshebeab	48		30	Harim	31	
13	Huppah	19		3	Harim	1	4621	17	Hezir	35		7	Hakkoz	17		11	Eliashib	33		11	Eliashib	33		1	Jehoiarib	15		15	Bilgah	49		5	Malchijah	31	
14	Jeshebeab	20		4	Seorim	2	26 CE	18	Happizez	36		8	Abijah	18		22	Gamul	52		12	Jakim	34		2	Jedaiah	16		16	Immer	50		6	Mijamin	32	
15	Bilgah	21		5	Malchijah	3		19	Pethahiah	37		9	Jeshua	19		23	Delaiah	1	4626	13	Huppah	35		3	Harim	17		17	Hezir	51		7	Hakkoz	33	
16	Immer	22		6	Mijamin	4		20	Jehezekel	38		10	Shecaniah	20		24	Maaziah	2	31 CE	14	Jeshebeab	36		4	Seorim	18		18	Happizez	52		8	Abijah	34	
17	Hezir	23		7	Hakkoz	5		11	Eliashib	39		1	Jehoiarib	3		15	Bilgah	37		15	Bilgah	37		5	Malchijah	19		19	Pethahiah	1	4631	9	Jeshua	35	
18	Happizez	24		8	Abijah	6		12	Jakim	22		2	Jedaiah	4		16	Immer	38		16	Immer	38		6	Mijamin	20		20	Jehezekel	2	36 CE	10	Shecaniah	36	
19	Pethahiah	25		9	Jeshua	7		13	Huppah	23		3	Harim	5		17	Hezir	39		7	Hakkoz	21		7	Hakkoz	21		21	Jachin	3		11	Eliashib	37	
20	Jehezekel	26		10	Shecaniah	8		14	Jeshebeab	42		4	Seorim	6		18	Happizez	40		8	Abijah	22		8	Abijah	22		22	Gamul	4		12	Jakim	38	
21	Jachin	27		11	Eliashib	9		15	Bilgah	43		5	Malchijah	7		19	Pethahiah	41		9	Jeshua	23		9	Jeshua	23		23	Delaiah	5		13	Huppah	39	
22	Gamul	28		12	Jakim	10		16	Immer	44		6	Mijamin	8		20	Jehezekel	42		10	Shecaniah	24		10	Shecaniah	24		24	Maaziah	6		14	Jeshebeab	40	
23	Delaiah	29		13	Huppah	11		17	Hezir	45		7	Hakkoz	9		21	Jachin	43		11	Eliashib	25		11	Eliashib	25		1	Jehoiarib	7		15	Bilgah	41	
24	Maaziah	30		14	Jeshebeab	12		18	Happizez	46		8	Abijah	10		22	Gamul	44		12	Jakim	26		12	Jakim	26		2	Jedaiah	8		16	Immer	42	
1	Jehoiarib	31		15	Bilgah	13		19	Pethahiah	47		9	Jeshua	11		23	Delaiah	45		13	Huppah	27		3	Harim	9		3	Harim	9		17	Hezir	43	
2	Jedaiah	32		16	Immer	14		20	Jehezekel	48		10	Shecaniah	12		24	Maaziah	46		14	Jeshebeab	28		4	Seorim	10		4	Seorim	10		18	Happizez	44	
3	Harim	33		17	Hezir	15		21	Jachin	31		11	Eliashib	13		1	Jehoiarib	47		15	Bilgah	29		5	Malchijah	11		19	Pethahiah	45		19	Pethahiah	45	
4	Seorim	34		18	Happizez	16		22	Gamul	32		12	Jakim	14		2	Jedaiah	48		16	Immer	30		6	Mijamin	12		20	Jehezekel	46		20	Jehezekel	46	
5	Malchijah	35		19	Pethahiah	17		23	Delaiah	33		13	Huppah	15		3	Harim	49		17	Hezir	31		7	Hakkoz	13		21	Jachin	47		21	Jachin	47	
6	Mijamin	36		20	Jehezekel	18		24	Maaziah	34		14	Jeshebeab	16		4	Seorim	50		18	Happizez	32		8	Abijah	14		22	Gamul	48		22	Gamul	48	
7	Hakkoz	37		21	Jachin	19		1	Eliashib	35		15	Bilgah	17		5	Malchijah	51		19	Pethahiah	33		9	Jeshua	15		23	Delaiah	49		23	Delaiah	49	
8	Abijah	38		22	Gamul	20		2	Jedaiah	36		16	Immer	18		6	Mijamin	52		20	Jehezekel	34		10	Shecaniah	16		24	Maaziah	50		24	Maaziah	50	
9	Jeshua	39		23	Delaiah	21		3	Huppah	3		3	Harim	37		17	Hezir	19		7	Hakkoz	1	4628	21	Jachin	35		11	Eliashib	17		1	Jehoiarib	51	
10	Shecaniah	40		24	Maaziah	22		4	Seorim	38		18	Happizez	20		8	Abijah	2	33 CE	18	Happizez	20		22	Gamul	36	</								

Appendix 5 – The Order of Abijah

#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year
13	Huppah	35		3	Harim	17		17	Hezir	51		7	Hakkoz	33		21	Jachin	15		11	Eliashib	49		1	Jehoiarib	31		15	Bilgah	13		5	Malchijah	47					
14	Jeshebeab	36		4	Seorim	18		18	Happizez	52		8	Abijah	34		22	Gamul	16		12	Jakim	50		2	Jedaiah	32		16	Immer	14		6	Mijamin	48					
15	Bilgah	37		5	Malchijah	19		19	Pethahiah	1	4637	9	Jeshua	35		23	Delaiah	17		13	Huppah	51		3	Harim	33		17	Hezir	15		7	Hakkoz	49					
16	Immer	38		6	Mijamin	20		20	Jehezekel	2	42 CE	10	Shecaniah	36		24	Maaziah	18		14	Jeshebeab	52		4	Seorim	34		18	Happizez	16		8	Abijah	50					
17	Hezir	39		7	Hakkoz	21		21	Jachin	3		11	Eliashib	37		1	Jehoiarib	19		15	Bilgah	1	4642	5	Malchijah	35		19	Pethahiah	17		9	Jeshua	51					
18	Happizez	40		8	Abijah	22		22	Gamul	4		12	Jakim	38		2	Jedaiah	20		16	Immer	2	47 CE	6	Mijamin	36		20	Jehezekel	18		10	Shecaniah	52					
19	Pethahiah	41		9	Jeshua	23		23	Delaiah	5		13	Huppah	39		3	Harim	21		17	Hezir	3		7	Hakkoz	37		21	Jachin	19		11	Eliashib	1	4647				
20	Jehezekel	42		10	Shecaniah	24		24	Maaziah	6		14	Jeshebeab	40		4	Seorim	22		18	Happizez	4		8	Abijah	38		22	Gamul	20		12	Jakim	2	52 CE				
21	Jachin	43		11	Eliashib	25		1	Jehoiarib	7		15	Bilgah	41		5	Malchijah	23		19	Pethahiah	5		9	Jeshua	39		23	Delaiah	21		13	Huppah	3					
22	Gamul	44		12	Jakim	26		2	Jedaiah	8		16	Immer	42		6	Mijamin	24		20	Jehezekel	6		10	Shecaniah	40		24	Maaziah	22		14	Jeshebeab	4					
23	Delaiah	45		13	Huppah	27		3	Harim	9		17	Hezir	43		7	Hakkoz	25		21	Jachin	7		11	Eliashib	41		1	Jehoiarib	23		15	Bilgah	5					
24	Maaziah	46		14	Jeshebeab	28		4	Seorim	10		18	Happizez	44		8	Abijah	26		22	Gamul	8		12	Jakim	42		2	Jedaiah	24		16	Immer	6					
1	Jehoiarib	47		15	Bilgah	29		5	Malchijah	11		19	Pethahiah	45		9	Jeshua	27		23	Delaiah	9		13	Huppah	43		3	Harim	25		17	Hezir	7					
2	Jedaiah	48		16	Immer	30		6	Mijamin	12		20	Jehezekel	46		10	Shecaniah	28		24	Maaziah	10		14	Jeshebeab	44		4	Seorim	26		18	Happizez	8					
3	Harim	49		17	Hezir	31		7	Hakkoz	13		21	Jachin	47		11	Eliashib	29		1	Jehoiarib	11		15	Bilgah	45		5	Malchijah	27		19	Pethahiah	9					
4	Seorim	50		18	Happizez	32		8	Abijah	14		22	Gamul	48		12	Jakim	30		2	Jedaiah	12		16	Immer	46		6	Mijamin	28		20	Jachin	10					
5	Malchijah	51		19	Pethahiah	33		9	Jeshua	15		23	Delaiah	49		13	Huppah	31		3	Harim	13		17	Hezir	47		7	Hakkoz	29		21	Jachin	11					
6	Mijamin	52		20	Jehezekel	34		10	Shecaniah	16		24	Maaziah	50		14	Jeshebeab	32		4	Seorim	14		18	Happizez	48		8	Abijah	30		22	Gamul	12					
7	Hakkoz	1	4634	21	Jachin	35		11	Eliashib	17		1	Jehoiarib	51		15	Bilgah	33		5	Malchijah	15		19	Pethahiah	49		9	Jeshua	31		23	Delaiah	13					
8	Abijah	2	39 CE	22	Gamul	36		12	Jakim	18		2	Jedaiah	52		16	Immer	34		6	Mijamin	16		20	Jehezekel	50		10	Shecaniah	32		24	Maaziah	14					
9	Jeshua	3		23	Delaiah	37		13	Huppah	19		3	Harim	1	4639	17	Hezir	35		7	Hakkoz	17		21	Jachin	51		11	Eliashib	33		1	Jehoiarib	15					
10	Shecaniah	4		24	Maaziah	38		14	Jeshebeab	20		4	Seorim	2	44 CE	18	Happizez	36		8	Abijah	18		22	Gamul	52		12	Jakim	34		2	Jedaiah	16					
11	Eliashib	5		1	Jehoiarib	39		15	Bilgah	21		5	Malchijah	3		19	Pethahiah	37		9	Jeshua	19		23	Delaiah	1	4644	13	Huppah	35		3	Harim	17					
12	Jedaiah	6		2	Jedaiah	40		16	Immer	22		6	Mijamin	4		20	Jehezekel	40		10	Shecaniah	20		24	Maaziah	2	49 CE	14	Jeshebeab	36		4	Seorim	18					
13	Huppah	7		3	Harim	41		17	Hezir	23		7	Hakkoz	5		21	Jachin	39		11	Eliashib	21		1	Jehoiarib	3		15	Bilgah	37		5	Malchijah	19					
14	Jeshebeab	8		4	Seorim	42		18	Happizez	24		8	Abijah	6		22	Gamul	40		12	Jakim	22		2	Jedaiah	4		16	Immer	38		6	Mijamin	20					
15	Bilgah	9		5	Malchijah	43		19	Pethahiah	25		9	Jeshua	7		23	Delaiah	41		13	Huppah	23		3	Harim	5		17	Hezir	39		7	Hakkoz	21					
16	Immer	10		6	Mijamin	44		20	Jehezekel	26		10	Shecaniah	8		24	Maaziah	42		14	Jeshebeab	24		4	Seorim	6		18	Happizez	40		8	Abijah	22					
17	Hezir	11		7	Hakkoz	45		21	Jachin	27		11	Eliashib	9		1	Jehoiarib	43		15	Bilgah	25		5	Malchijah	7		19	Pethahiah	41		9	Jeshua	23					
18	Happizez	12		8	Abijah	46		22	Gamul	28		12	Jakim	10		2	Jedaiah	44		16	Immer	26		6	Mijamin	8		20	Jehezekel	42		10	Shecaniah	24					
19	Pethahiah	13		9	Jeshua	47		23	Delaiah	29		13	Huppah	11		3	Harim	45		17	Hezir	27		7	Hakkoz	9		21	Jachin	43		11	Eliashib	25					
20	Jehezekel	14		10	Shecaniah	48		24	Maaziah	30		14	Jeshebeab	12		4	Seorim	46		18	Happizez	28		8	Abijah	10		22	Gamul	44		12	Jakim	26					
21	Jachin	15		11	Eliashib	49		1	Jehoiarib	31		15	Bilgah	13		5	Malchijah	47		19	Pethahiah	29		9	Jeshua	11		23	Delaiah	45		13	Huppah	27					
22	Gamul	16		12	Jakim	50		2	Jedaiah	32		16	Immer	14		6	Mijamin	48		20	Jehezekel	30		10	Shecaniah	12		24	Maaziah	46		14	Jeshebeab	28					
23	Delaiah	17		13	Huppah	51		3	Harim	33		17	Hezir	15		7	Hakkoz	49		21	Jachin	31		11	Eliashib	13		1	Jehoiarib	47		15	Bilgah	29					
24	Jeshebeab	18		14	Jeshebeab	52		4	Seorim	34		18	Happizez	16		8	Abijah	50		22	Gamul	32		12	Jakim	14		2	Jedaiah	48		16	Immer	30					
1	Jehoiarib	19		15	Bilgah	1	4636	5	Malchijah	35		19	Pethahiah	17		9	Jeshua	51		23	Delaiah	33		13	Huppah	15		3	Harim	49		17	Hezir	31					
2	Jedaiah	20		16	Immer	2	41 CE	6	Mijamin	36		20	Jehezekel	18		10	Shecaniah	18		24	Maaziah	34		14	Jeshebeab	16		4	Seorim	50		18	Happizez	32					
3	Harim	21		17	Hezir	3		7	Hakkoz	37		21	Jachin	19		11	Eliashib	1	4641	1	Jehoiarib	35		15	Bilgah	17		5	Malchijah	51		19	Pethahiah	33					
4	Seorim	22		18	Happizez	4		8	Abijah	38		22	Gamul	20		12	Jakim	2	46 CE	2	Jedaiah	36		16	Immer	18		6	Mijamin	52		20	Jehezekel	34					
5	Malchijah	23		19	Pethahiah	5		9	Jeshua	39		23	Delaiah	21		13	Huppah	3		3	Harim	37		17	Hezir	19		7	Hakkoz	1	4646	21	Jachin	35					
6	Mijamin	24		20	Jehezekel	6		10	Shecaniah	40		24	Maaziah	22		14	Jeshebeab	4		4	Seorim	38		18	Happizez	20		8	Abijah	2	51 CE	22	Gamul	36					
7	Hakkoz	25		21	Jachin	7		11	Eliashib	41		1	Jehoiarib	23		15	Bilgah	5		5	Malchijah	39		19	Pethahiah	21		9	Jeshua	3		23	Delaiah	37					
8	Abijah	26		22	Gamul	8		12	Jakim	42		2	Jedaiah	24		16	Immer	6		6	Mijamin	40		20	Jehezekel	22		10	Shecaniah	4		24	Maaziah	38					
9	Jeshua	27		23	Delaiah	9		13	Huppah	43		3	Harim	25		17	Hezir	7		7	Hakkoz	41		21	Jachin	23		11	Eliashib	5		1	Jehoiarib	39					
10	Shecaniah	28		24	Maaziah	10		14	Jeshebeab	44		4	Seorim	26		18	Happizez	8		8	Abijah	42		22	Gamul	24		12	Jakim	6		2	Jedaiah	40					
11	Eliashib	29		1	Jehoiarib	11		15	Bilgah	45		5	Malchijah	27		19	Pethahiah	9		9	Jeshua	43		23	Delaiah	25		13	Huppah	7		3	Harim	41					
12	Jakim	30		2	Jedaiah	12		16	Immer	46		6	Mijamin	28		20	Jehezekel	10		10	Shecaniah	44		24	Maaziah	26		14	Jeshebeab	8		4	Seorim	42					
13	Huppah	31		3	Harim	13		17	Hezir	47		7	Hakkoz	29		21	Jachin	11		11	Eliashib	45		1	Jehoiarib	27		15	Bilgah	9		5	Malchijah	43					
14	Jeshebeab	32		4	Seorim	14		18	Happizez	48		8	Abijah	30		22	Gamul	12		12	Jakim	46		2	Jedaiah	28		16	Immer	10		6	Mijamin	44					
15	Bilgah	33		5	Malchijah	15		19	Pethahiah	49		9	Jeshua	31		23	Delaiah	13		13	Huppah	47		3	Harim	29		17	Hezir	11		7	Hakkoz	45					
16	Immer	34		6	Mijamin	16		20	Jehezekel	50		10	Shecaniah	32		24	Maaziah	14		14	Jeshebeab	48																	

Times and Appointed Times

#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year								
19	Pethahiah	29		9	Jeshua	11		23	Delalah	45		13	Huppah	27		3	Harim	9		17	Hezir	43		7	Hakkoz	25		21	Jachin	7		11	Eliashib	41	
20	Jehezekel	30		10	Shecaniah	12		24	Maaziah	46		14	Jeshebeab	28		4	Seorim	10		18	Happizez	44		8	Abijah	26		22	Gamul	8		12	Jakim	42	
21	Jachin	31		11	Eliashib	13		1	Jehoiarib	47		15	Bilgah	29		5	Malchijah	11		19	Pethahiah	45		9	Jeshua	27		23	Delalah	9		13	Huppah	43	
22	Gamul	32		12	Jakim	14		2	Jedaiah	48		16	Immer	30		6	Mijamin	12		20	Jehezekel	46		10	Shecaniah	28		24	Maaziah	10		14	Jeshebeab	44	
23	Delalah	33		13	Huppah	15		3	Harim	49		17	Hezir	31		7	Hakkoz	13		21	Jachin	47		11	Eliashib	29		1	Jehoiarib	11		15	Bilgah	45	
24	Maaziah	34		14	Jeshebeab	16		4	Seorim	50		18	Happizez	32		8	Abijah	14		22	Gamul	48		12	Jakim	30		2	Jedaiah	12		16	Immer	46	
1	Jehoiarib	35		15	Bilgah	17		5	Malchijah	51		19	Pethahiah	33		9	Jeshua	15		23	Delalah	49		13	Huppah	31		3	Harim	13		17	Hezir	47	
2	Jedaiah	36		16	Immer	18		6	Mijamin	52		20	Jehezekel	34		10	Shecaniah	16		10	Shecaniah	16		14	Jeshebeab	32		4	Seorim	14		18	Happizez	48	
3	Harim	37		17	Hezir	19		7	Hakkoz	1	4652	21	Jachin	35		11	Eliashib	17		1	Jehoiarib	51		15	Bilgah	33		5	Malchijah	15		19	Pethahiah	49	
4	Seorim	38		18	Happizez	20		8	Abijah	2	57 CE	22	Gamul	36		12	Jakim	18		2	Jedaiah	52		16	Immer	34		6	Mijamin	16		20	Jehezekel	50	
5	Malchijah	39		19	Pethahiah	21		9	Jeshua	3		23	Delalah	37		13	Huppah	19		3	Harim	1	4657	17	Hezir	35		7	Hakkoz	17		21	Jachin	51	
6	Mijamin	40		20	Jehezekel	22		10	Shecaniah	4		24	Maaziah	38		14	Jeshebeab	20		4	Seorim	2	62 CE	18	Happizez	36		8	Abijah	18		22	Gamul	52	
7	Hakkoz	41		21	Jachin	23		11	Eliashib	5		1	Jehoiarib	39		15	Bilgah	21		5	Malchijah	3		19	Pethahiah	37		9	Jeshua	19		23	Delalah	1	4662
8	Abijah	42		22	Gamul	24		12	Jakim	6		2	Jedaiah	40		16	Immer	22		6	Mijamin	4		20	Jehezekel	38		10	Shecaniah	20		24	Maaziah	2	67 CE
9	Jeshua	43		23	Delalah	25		3	Harim	7		3	Harim	41		17	Hezir	23		7	Hakkoz	5		21	Jachin	39		11	Eliashib	21		1	Jehoiarib	3	
10	Shecaniah	44		24	Maaziah	26		4	Seorim	8		4	Seorim	42		18	Happizez	24		8	Abijah	6		22	Gamul	40		12	Jakim	22		2	Jedaiah	4	
11	Eliashib	45		1	Jehoiarib	27		5	Malchijah	9		5	Malchijah	43		19	Pethahiah	25		9	Jeshua	7		23	Delalah	41		13	Huppah	23		3	Harim	5	
12	Jakim	46		2	Jedaiah	28		6	Mijamin	10		6	Mijamin	44		20	Jehezekel	26		10	Shecaniah	8		10	Shecaniah	8		24	Maaziah	42		14	Jeshebeab	24	
13	Huppah	47		3	Harim	29		7	Hezir	11		7	Hakkoz	45		21	Jachin	27		11	Eliashib	9		1	Jehoiarib	43		15	Bilgah	25		5	Malchijah	7	
14	Jeshebeab	48		4	Seorim	30		8	Abijah	12		8	Abijah	46		22	Gamul	28		12	Jakim	10		2	Jedaiah	44		16	Immer	26		6	Mijamin	8	
15	Bilgah	49		5	Malchijah	31		9	Jeshua	13		9	Jeshua	47		23	Delalah	29		13	Huppah	11		3	Harim	45		17	Hezir	27		7	Hakkoz	9	
16	Immer	50		6	Mijamin	32		10	Shecaniah	14		10	Shecaniah	48		24	Maaziah	30		14	Jeshebeab	12		4	Seorim	46		18	Happizez	28		8	Abijah	10	
17	Hezir	51		7	Hakkoz	33		11	Eliashib	15		11	Eliashib	49		1	Jehoiarib	31		15	Bilgah	13		5	Malchijah	47		19	Pethahiah	29		9	Jeshua	11	
18	Happizez	52		8	Abijah	34		12	Jakim	16		2	Jedaiah	50		2	Jedaiah	32		16	Immer	14		6	Mijamin	48		20	Jehezekel	30		10	Shecaniah	12	
19	Pethahiah	1	4649	9	Jeshua	35		13	Huppah	17		3	Harim	33		3	Harim	33		17	Hezir	15		7	Hakkoz	49		21	Jachin	31		11	Eliashib	13	
20	Jehezekel	2	54 CE	10	Shecaniah	36		24	Maaziah	18		4	Seorim	34		18	Happizez	16		8	Abijah	16		8	Abijah	50		22	Gamul	32		12	Jakim	14	
21	Jachin	3		11	Eliashib	37		1	Jehoiarib	19		15	Bilgah	1	4654	5	Malchijah	35		19	Pethahiah	17		9	Jeshua	51		23	Delalah	33		13	Huppah	15	
22	Gamul	4		12	Jakim	38		2	Jedaiah	20		16	Immer	2	59 CE	6	Mijamin	36		20	Jehezekel	18		10	Shecaniah	52		24	Maaziah	34		14	Jeshebeab	16	
23	Delalah	5		13	Huppah	39		3	Harim	21		17	Hezir	3		7	Hakkoz	37		21	Jachin	19		11	Eliashib	1	4659	1	Jehoiarib	35		15	Bilgah	17	
24	Maaziah	6		14	Jeshebeab	40		4	Seorim	22		18	Happizez	4		8	Abijah	38		22	Gamul	20		12	Jakim	2	64 CE	2	Jedaiah	36		16	Immer	18	
1	Jehoiarib	7		15	Bilgah	41		5	Malchijah	23		19	Pethahiah	5		9	Jeshua	39		23	Delalah	21		13	Huppah	3		3	Harim	37		17	Hezir	19	
2	Jedaiah	8		16	Immer	42		6	Mijamin	24		20	Jehezekel	6		10	Shecaniah	40		24	Maaziah	22		14	Jeshebeab	4		4	Seorim	38		18	Happizez	20	
3	Harim	9		17	Hezir	43		7	Hakkoz	25		21	Jachin	7		11	Eliashib	41		1	Jehoiarib	23		15	Bilgah	5		5	Malchijah	39		19	Pethahiah	21	
4	Seorim	10		18	Happizez	44		8	Abijah	26		22	Gamul	8		12	Jakim	42		2	Jedaiah	24		16	Immer	6		6	Mijamin	40		20	Jehezekel	22	
5	Malchijah	11		19	Pethahiah	45		9	Jeshua	27		23	Delalah	9		13	Huppah	43		3	Harim	25		17	Hezir	7		7	Hakkoz	41		21	Jachin	23	
6	Mijamin	12		20	Jehezekel	46		10	Shecaniah	28		24	Maaziah	10		14	Jeshebeab	44		4	Seorim	26		18	Happizez	8		8	Abijah	42		22	Gamul	24	
7	Hakkoz	13		21	Jachin	47		1	Jehoiarib	29		1	Jehoiarib	11		15	Bilgah	45		5	Malchijah	27		19	Pethahiah	9		9	Jeshua	43		23	Delalah	25	
8	Abijah	14		22	Gamul	48		2	Jedaiah	30		2	Jedaiah	12		16	Immer	46		6	Mijamin	28		20	Jehezekel	10		10	Shecaniah	44		24	Maaziah	26	
9	Jeshua	15		23	Delalah	49		3	Harim	31		3	Harim	13		17	Hezir	47		7	Hakkoz	29		21	Jachin	11		11	Eliashib	45		1	Jehoiarib	27	
10	Shecaniah	16		24	Maaziah	50		4	Seorim	32		4	Seorim	14		18	Happizez	48		8	Abijah	30		22	Gamul	12		12	Jakim	46		2	Jedaiah	28	
11	Eliashib	17		1	Jehoiarib	51		5	Malchijah	33		5	Malchijah	15		19	Pethahiah	49		9	Jeshua	31		23	Delalah	13		13	Huppah	47		3	Harim	29	
12	Jakim	18		2	Jedaiah	52		6	Mijamin	34		6	Mijamin	16		20	Jehezekel	50		10	Shecaniah	32		24	Maaziah	14		14	Jeshebeab	48		4	Seorim	30	
13	Huppah	19		3	Harim	1	4651	7	Hezir	35		7	Hakkoz	17		11	Eliashib	51		11	Eliashib	33		1	Jehoiarib	15		15	Bilgah	49		5	Malchijah	31	
14	Jeshebeab	20		4	Seorim	2	56 CE	8	Abijah	36		8	Abijah	18		12	Jakim	52		12	Jakim	34		2	Jedaiah	16		16	Immer	50		6	Mijamin	32	
15	Bilgah	21		5	Malchijah	3		9	Jeshua	37		9	Jeshua	19		13	Huppah	35		13	Huppah	35		3	Harim	17		17	Hezir	51		7	Hakkoz	33	
16	Immer	22		6	Mijamin	4		10	Shecaniah	38		10	Shecaniah	20		24	Maaziah	2	61 CE	14	Jeshebeab	36		4	Seorim	18		18	Happizez	52		8	Abijah	34	
17	Hezir	23		7	Hakkoz	5		11	Eliashib	39		11	Eliashib	21		1	Jehoiarib	3		15	Bilgah	37		5	Malchijah	19		19	Pethahiah	1	4661	9	Jeshua	35	
18	Happizez	24		8	Abijah	6		12	Jakim	40		12	Jakim	22		2	Jedaiah	4		16	Immer	38		6	Mijamin	20		20	Jehezekel	2	66 CE	10	Shecaniah	36	
19	Pethahiah	25		9	Jeshua	7		13	Huppah	41		13	Huppah	23		3	Harim	5		17	Hezir	39		7	Hakkoz	21		21	Jachin	3		11	Eliashib	37	
20	Jehezekel	26		10	Shecaniah	8		24	Maaziah	42		4	Seorim	6		4	Seorim	17		18	Happizez	40		8	Abijah	22		22	Gamul	4		12	Jakim	41	
21	Jachin	27		11	Eliashib	9		1	Jehoiarib	43		5	Malchijah	25		7	Hakkoz	19		19	Pethahiah	41		9	Jeshua	23		23	Delalah	5		13	Huppah	39	
22	Gamul	28		12	Jakim	10		2	Jedaiah	44		16	Immer	26		20	Jehezekel	42		10	Shecaniah	24		10	Shecaniah	24		24	Maaziah	6		14	Jeshebeab	40	
23	Delalah	29		13																															

Appendix 5 – The Order of Abijah

#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year	#	Name	Wk	Solar Year
1	Jeholiarib	23		13	Huppah	25		1	Jeholiarib	47		13	Huppah	7		1	Jeholiarib	43		13	Huppah	3		1	Jeholiarib	15					
2	Jedaliah	24		14	Jeshebeab	36		2	Jedaliah	48		14	Jeshebeab	8		2	Jedaliah	44		14	Jeshebeab	4		2	Jedaliah	16					
3	Harim	25		15	Bilgah	37		3	Harim	49		15	Bilgah	9		3	Harim	45		15	Bilgah	5		3	Harim	17					
4	Seorim	26		16	Immer	38		4	Seorim	50		16	Immer	10		4	Seorim	46		16	Immer	6		4	Seorim	18					
5	Malchijah	27		17	Hezir	39		5	Malchijah	51		17	Hezir	11		5	Malchijah	47		17	Hezir	7		5	Malchijah	19					
6	Mijamin	28		18	Happizez	40		6	Mijamin	52		18	Happizez	12		6	Mijamin	48		18	Happizez	8		6	Mijamin	20					
7	Hakkoz	29		19	Pethahiah	41		7	Hakkoz	1	4664	69 CE	19	Pethahiah	13		7	Hakkoz	49		19	Pethahiah	9		7	Hakkoz	21				
8	Abijah	30		20	Jehezekel	42		8	Abijah	2	69 CE		20	Jehezekel	14		8	Abijah	50		20	Jehezekel	10		8	Abijah	22				
9	Jeshua	31		21	Jachin	43		9	Jeshua	3		21	Jachin	15		9	Jeshua	51		21	Jachin	11		9	Jeshua	23					
10	Shecaniah	32		22	Gamul	44		10	Shecaniah	4		22	Gamul	16		10	Shecaniah	52		22	Gamul	12		10	Shecaniah	24					
11	Eliashib	33		23	Delalah	45		11	Eliashib	5		23	Delalah	17		11	Eliashib	1	4665	23	Delalah	13		11	Eliashib	25					
12	Jakim	34		24	Maaziah	46		12	Jakim	6		24	Maaziah	18		12	Jakim	2	70 CE	24	Maaziah	14		12	Jakim	26					

#	Name	Wk	CR/CE Year	Hebrew Month	Julian Dates
19	Pethahiah	1	4589 7 BCE	Nisan	4/2 - 4/30
20	Jehezekel	2			
21	Jachin	3			
22	Gamul	4		Ziv	5/1 - 5/30
23	Delalah	5			
24	Maaziah	6			
1	Jeholiarib	7			
2	Jedaliah	8			
3	Harim	9		Sivan	5/31 - 6/28
4	Seorim	10			
5	Malchijah	11			
6	Mijamin	12			
7	Hakkoz	13		Tammuz	6/29 - 7/28
8	Abijah	14			7/5 - 7/11






#	Name	Wk	CR/CE Year	Hebrew Month	Julian Dates
3	Harim	1	4663 68 CE	Nisan	3/24 - 4/21
4	Seorim	2			
5	Malchijah	3			
6	Mijamin	4		Ziv	4/22 - 5/21
7	Hakkoz	5			
8	Abijah	6			
9	Jeshua	7			
10	Shecaniah	8			
11	Eliashib	9		Sivan	5/22 - 6/19
12	Jakim	10			
13	Huppah	11			
14	Jeshebeab	12			
15	Bilgah	13		Tammuz	6/20 - 7/19
16	Immer	14			
17	Hezir	15		Tammuz	17 = 7/6/68 CE
18	Happizez	16			
19	Pethahiah	17		Av	7/20 - 8/17
20	Jehezekel	18		Av	10 = 7/29/68 CE

#	Name	Wk	CR/CE Year	Hebrew Month	Julian Dates
11	Eliashib	1	4665 70 CE	Nisan	4/1 - 4/30
12	Jakim	2			
13	Huppah	3			
14	Jeshebeab	4			
15	Bilgah	5		Ziv	5/1 - 5/29
16	Immer	6			
17	Hezir	7			
18	Happizez	8			
19	Pethahiah	9		Sivan	5/30 - 6/27
20	Jehezekel	10			
21	Jachin	11			
22	Gamul	12			
23	Delalah	13		Tammuz	6/28 - 7/27
24	Maaziah	14			
1	Jeholiarib	15		Tammuz	17 = 7/14/70 CE
2	Jedaliah	16			
3	Harim	17			
4	Seorim	18		Av	7/28 - 8/25
5	Malchijah	19			Av 10 = 8/6/70 CE

Appendix 6 – Calendars 2022 Through 2035

Beginning with October, 2030, this layout becomes speculative in nature. There, where I have designated the beginning of thirty-day months, I also changed the font for the names of the Roman months to **CHILLER**.

- The beginnings of the months were based on the visibility of the crescent from Jerusalem, Israel. Lunar months are separated by solid black lines.
- Regular years are in blue and green months with regular black numbers.
- The Tribulation is in red and grey months with regular black numbers.
- Sabbatical years are in aqua/aqua-blue months with bold white numbers.
- Jubilee years are in blue/dark blue months with bold white numbers.

-  The beginning of the Hebrew month is designated by a black square with a bold white number representing the number of the month of the year.
-  Passover is designated by a red square with a bold white 4.
-  Special Sabbaths are designated by a red square with a bold white number representing the number of the Hebrew day of the month.
-  *Shavu'ot* is designated by a bold white number “50” in a red square.
-  Asteroid 2000 SG344 was first observed on Sep. 29, 2000, and was said to present a 1-in-500 chance of striking the earth on Sep. 21, 2030. The “experts” are now saying that we won’t know for certain what those chances are until 2028 when the asteroid will again be observable.⁵⁴

The above stated date of this possible asteroid strike is interesting. The seventh Hebrew month, *Kislev*, begins a week later on the night of September 29, 2030. Something else happens that night that may be the sign that John refers to in his Revelation.

And a great sign appeared in heaven: a woman clothed with the sun, and the moon under her feet, and on her head a crown of twelve stars...
Revelation 12:1

On that night when the sun is in the constellation Virgo, the new moon will literally be under her feet. Two screenshots are included at the end of this appendix. Is this the astronomical reality behind the sign in the story John tells? Does it signal the beginning of the last half of Daniel’s 70th week, the beginning of the “Great Tribulation?” Will the asteroid/comet strikes of Rev. 8 follow?

⁵⁴ Keith Cowing, “Possible Earth impact in 2030 by asteroid 2000 SG344 No Longer a Concern,” Nov. 3, 2000, accessed Dec. 14, 2021, <https://spaceref.com/uncategorized/possible-earth-impact-in-2030-by-asteroid-2000-sg344-no-longer-a-concern/>.

6616

2022

6617

january						
1	2	3	4	5	6	ש
						1
2	3	4	10	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

april						
1	2	3	4	5	6	ש
					1	2
1	4	5	6	7	8	9
10	11	12	13	14	15	פ
15	18	19	20	21	22	21
24	25	26	27	28	29	30

july						
1	2	3	4	5	6	ש
					4	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	5
31						

october						
1	2	3	4	5	6	ש
						1
2	3	4	5	6	10	8
9	10	11	15	13	14	15
16	17	18	22	20	21	22
23	24	25	26	8	28	29
30	31					

february						
1	2	3	4	5	6	ש
		1	2	11	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					

may						
1	2	3	4	5	6	ש
1	2	2	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

august						
1	2	3	4	5	6	ש
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	6	30	31			

november						
1	2	3	4	5	6	ש
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	9
27	28	29	30			

march						
1	2	3	4	5	6	ש
	1	2	3	12	5	
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

june						
1	2	3	4	5	6	ש
			3	2	3	4
50	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

september						
1	2	3	4	5	6	ש
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	1	29	30	

december						
1	2	3	4	5	6	ש
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
10	26	27	28	29	30	31

6617

2023

6618

january						
1	2	3	4	5	6	ש
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	11	25	26	27	28
29	30	31				

april						
1	2	3	4	5	6	ש
						1
2	3	4	פ	15	7	8
9	10	11	21	13	14	15
16	17	18	19	20	21	2
23	24	25	26	27	28	29
30						

july						
1	2	3	4	5	6	ש
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
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23	24	25	26	27	28	29
30	31					

october						
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15	16	8	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

february						
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12	13	14	15	16	17	18
19	20	21	12	23	24	25
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may						
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7	8	9	10	11	12	13
14	15	16	17	18	19	20
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august						
1	2	3	4	5	6	ש
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5	6	7	8	9	10	11
12	13	14	15	16	17	6
18	19	20	21	22	23	24
25	26	27	28	29	30	31

november						
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5	6	7	8	9	10	11
12	13	14	15	9	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

march						
1	2	3	4	5	6	ש
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	1	24	25
26	27	28	29	30	31	

june						
1	2	3	4	5	6	ש
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11	12	13	14	15	16	17
18	19	4	21	22	23	24
25	26	27	28	29	30	

september						
1	2	3	4	5	6	ש
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december						
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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

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2024

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january						
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

april						
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	1	2	3	4	5	6
7	8	9	1	11	12	13
14	15	16	17	18	19	20
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28	29	21				

july						
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	1	2	3	4	5	6
4	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

october						
1	2	3	4	5	6	ז
	1	2	3	4	5	1
6	7	8	9	10	11	12
13	10	15	16	17	18	15
20	21	22	23	24	25	22
27	28	29	30	31		

february						
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4	5	6	7	8	9	10
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25	26	27	28	29		

may						
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5	6	7	8	9	2	11
12	13	14	15	16	17	18
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26	27	28	29	30	31	

august						
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25	26	27	28	29	30	31

november						
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10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

march						
1	2	3	4	5	6	ז
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24	25	26	27	28	29	30
31						

june						
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23	24	25	26	27	28	29
30						

september						
1	2	3	4	5	6	ז
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29	30					

december						
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15	16	17	18	19	20	21
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29	30	31				

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2025

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january						
1	2	3	4	5	6	ז
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	11	

april						
1	2	3	4	5	6	ז
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6	7	8	9	10	11	12
ז	15	15	16	17	18	19
21	21	22	23	24	25	26
27	28	2	30			

july						
1	2	3	4	5	6	ז
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13	14	15	16	17	18	19
20	21	22	23	24	25	5
27	28	29	30	31		

october						
1	2	3	4	5	6	ז
			1	2	10	4
5	6	7	15	9	10	11
12	13	14	22	16	17	18
19	20	21	22	23	8	25
26	27	28	29	30	31	

february						
1	2	3	4	5	6	ז
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2	3	4	5	6	7	8
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16	17	18	19	20	21	22
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may						
1	2	3	4	5	6	ז
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4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	3	29	30	31

august						
1	2	3	4	5	6	ז
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10	11	12	13	14	15	16
17	18	19	20	21	22	23
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31						

november						
1	2	3	4	5	6	ז
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2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
9	24	25	26	27	28	29
30						

march						
1	2	3	4	5	6	ז
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12	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
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30	1					

june						
1	2	3	4	5	6	ז
						1
50	9	10	11	12	13	14
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22	23	24	25	26	4	28
29	30					

september						
1	2	3	4	5	6	ז
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december						
1	2	3	4	5	6	ז
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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	10	23	24	25	26	27
28	29	30	31			

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2026

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january						
1	2	3	4	5	6	ש
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11	12	13	14	15	16	17
18	19	20	11	22	23	24
25	26	27	28	29	30	31

april						
1	2	3	4	5	6	ש
			1	2	פ	15
5	6	7	8	9	21	11
12	13	14	15	16	17	18
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26	27	28	29	30		

july						
1	2	3	4	5	6	ש
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5	6	7	8	9	10	11
12	13	14	15	5	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

october						
1	2	3	4	5	6	ש
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4	22	6	7	8	9	10
11	12	8	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

february						
1	2	3	4	5	6	ש
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15	16	17	18	12	20	21
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may						
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17	3	19	20	21	22	23
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31						

august						
1	2	3	4	5	6	ש
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30	31					

november						
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29	30					

march						
1	2	3	4	5	6	ש
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29	30	31				

june						
1	2	3	4	5	6	ש
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21	22	23	24	25	26	27
28	29	30				

september						
1	2	3	4	5	6	ש
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27	15	29	30			

december						
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27	28	29	30	31		

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january						
1	2	3	4	5	6	ש
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11	11	12	13	14	15	16
17	18	19	20	21	22	23
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31						

april						
1	2	3	4	5	6	ש
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4	5	6	7	1	9	10
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25	26	27	21	29	30	

july						
1	2	3	4	5	6	ש
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4	5	4	7	8	9	10
11	12	13	14	15	16	17
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25	26	27	28	29	30	31

october						
1	2	3	4	5	6	ש
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15	18	19	20	21	16	23
22	25	26	27	28	29	30
31						

february						
1	2	3	4	5	6	ש
	1	2	3	4	5	6
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28						

may						
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30	31					

august						
1	2	3	4	5	6	ש
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

november						
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14	15	16	17	18	19	20
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march						
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	1	2	3	4	5	6
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28	29	30	31			

june						
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20	21	22	23	24	25	26
27	28	29	30			

september						
1	2	3	4	5	6	ש
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26	27	28	29	30		

december						
1	2	3	4	5	6	ש
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26	27	28	29	10	31	

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january						
1	2	3	4	5	6	ז
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30	31					

april						
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16	21	18	19	20	21	22
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july						
1	2	3	4	5	6	ז
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9	10	11	12	13	14	15
16	17	18	19	20	21	22
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30	31					

october						
1	2	3	4	5	6	ז
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8	9	10	11	22	13	14
15	16	17	18	19	8	21
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29	30	31				

february						
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13	14	15	16	17	18	19
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may						
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	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	3	27
28	29	30	31			

august						
1	2	3	4	5	6	ז
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13	14	15	16	17	18	19
20	21	22	6	24	25	26
27	28	29	30	31		

november						
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march						
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12	13	14	15	16	17	18
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june						
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50	5	6	7	8	9	10
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25	26	27	28	29	30	

september						
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december						
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17	10	19	20	21	22	23
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january						
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28	29	30	31			

april						
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8	9	10	11	12	13	14
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july						
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29	30	31				

october						
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14	15	16	17	18	10	20
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february						
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may						
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13	14	2	16	17	18	19
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27	28	29	30	31		

august						
1	2	3	4	5	6	ז
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5	6	7	8	9	10	11
13	14	15	16	17	18	
19	20	21	22	23	24	25
26	27	28	29	30	31	

november						
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25	26	27	28	29	30	

march						
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11	12	13	14	15	16	13
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25	26	27	28	29	30	31

june						
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24	25	26	27	28	29	30

september						
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
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december						
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16	17	18	19	20	21	22
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january						
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april						
1	2	3	4	5	6	ז
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13	ד	15	16	17	18	19
20	21	22	23	24	25	26
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july						
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14	15	16	17	18	19	20
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28	29	30	5	2	3	4
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october						
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15	16	17	18	19	20	21
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29	30	8	2	3	4	5
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13						

february						
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17	18	19	20	21	22	23
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may						
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50	10					

august						
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november						
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20	21	22	23	24	25	26
27	28	29	30	9	2	3
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march						
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		9	10	11	12	13 14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5
6	7	8	9			

june						
1	2	3	4	5	6	ז
			11	12	13	14 15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	4	2	3	4	5	6
7	8	9	10			

september						
1	2	3	4	5	6	ז
				13	14	15 16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
1	2	3	4	5	6	7
8	9	10	11	12		

december						
1	2	3	4	5	6	ז
				14	15	16 17
18	19	20	21	22	23	24
25	26	27	28	29	30	10
2	3	4	5	6	7	8
9	10	11	12	13	14	

6627

2033

6628

january						
1	2	3	4	5	6	ז
						15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	11	2	3	4	5	6
7	8	9	10	11	12	13
14	15					

april						
1	2	3	4	5	6	ז
					15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
2	2	3	4	5	6	7
8	9	10	11	12	13	14

july						
1	2	3	4	5	6	ז
						16 17
18	19	20	21	22	23	24
25	26	27	28	29	30	5
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16						

october						
1	2	3	4	5	6	ז
						18
19	20	21	22	23	24	25
26	27	28	29	30	8	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18					

february						
1	2	3	4	5	6	ז
				16	17	18 19 20
21	22	23	24	25	26	27
28	29	30	12	2	3	4
5	6	7	8	9	10	11
12	13					

may						
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	3	2	3	4	5
50	7	8	9	10	11	12
13	14	15				

august						
1	2	3	4	5	6	ז
				17	18	19 20 21 22
23	24	25	26	27	28	29
30	6	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17			

november						
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				19	20	21 22 23
24	25	26	27	28	29	30
9	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18			

march						
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19	20	21	22	23	24	25
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june						
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				16	17	18 19
20	21	22	23	24	25	26
27	28	29	30	4	2	3
4	5	6	7	8	9	10
11	12	13	14	15		

september						
1	2	3	4	5	6	ז
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21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	

december						
1	2	3	4	5	6	ז
						19 20 21
22	23	24	25	26	27	28
29	30	10	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19

6628

january						
1	2	3	4	5	6	ש
20	21	22	23	24	25	26
27	28	29	30	11	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20				

2034

april						
1	2	3	4	5	6	ש
						20
21	22	23	24	25	26	27
28	29	30	2	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19						

6629

july						
1	2	3	4	5	6	ש
						21
22	23	24	25	26	27	28
29	30	5	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21					

october						
1	2	3	4	5	6	ש
23	24	25	26	27	28	29
30	8	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23				

february						
1	2	3	4	5	6	ש
				21	22	23
24	25	26	27	28	29	30
12						
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18				

may						
1	2	3	4	5	6	ש
				20	21	22
23	24	25				
26	27	28	29	30	3	2
50	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20			

august						
1	2	3	4	5	6	ש
				22	23	24
25	26					
27	28	29	30	6	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22		

november						
1	2	3	4	5	6	ש
				24	25	26
27						
28	29	30	9	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23		

march						
1	2	3	4	5	6	ש
				19	20	21
22	23	24	25	26	27	28
29						
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	

june						
1	2	3	4	5	6	ש
					21	22
23	24	25	26	27	28	29
30						
4	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	

september						
1	2	3	4	5	6	ש
						23
24						
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22

december						
1	2	3	4	5	6	ש
						24
25						
26	27	28	29	30	10	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24						

6629

january						
1	2	3	4	5	6	ש
				25	26	27
28	29	30				
11	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25			

2035

april						
1	2	3	4	5	6	ש
25	26	27	28	29	30	2
3	4	5	6	7	8	
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24					

6630

july						
1	2	3	4	5	6	ש
26	27	28	29	30	5	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26				

october						
1	2	3	4	5	6	ש
				28	29	30
8	2	3				
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

february						
1	2	3	4	5	6	ש
					26	27
28						
29	30	12	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23			

may						
1	2	3	4	5	6	ש
				25	26	27
28	29					
30	3	2	3	4	5	6
50	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25		

august						
1	2	3	4	5	6	ש
				27	28	29
30						
6	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	

november						
1	2	3	4	5	6	ש
					29	30
9						
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

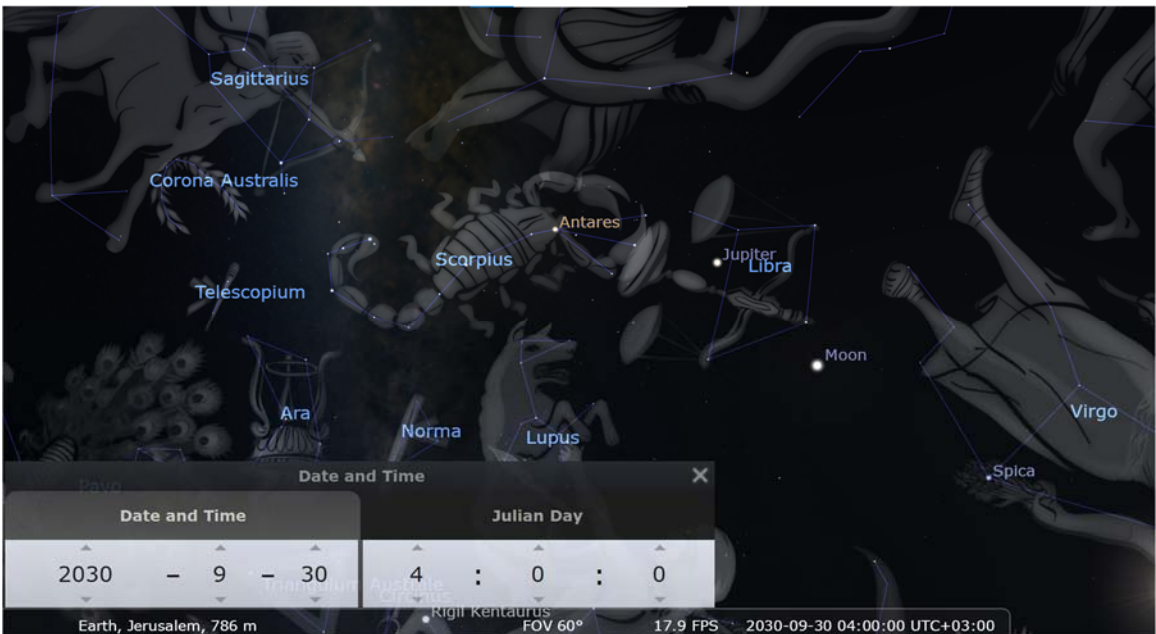
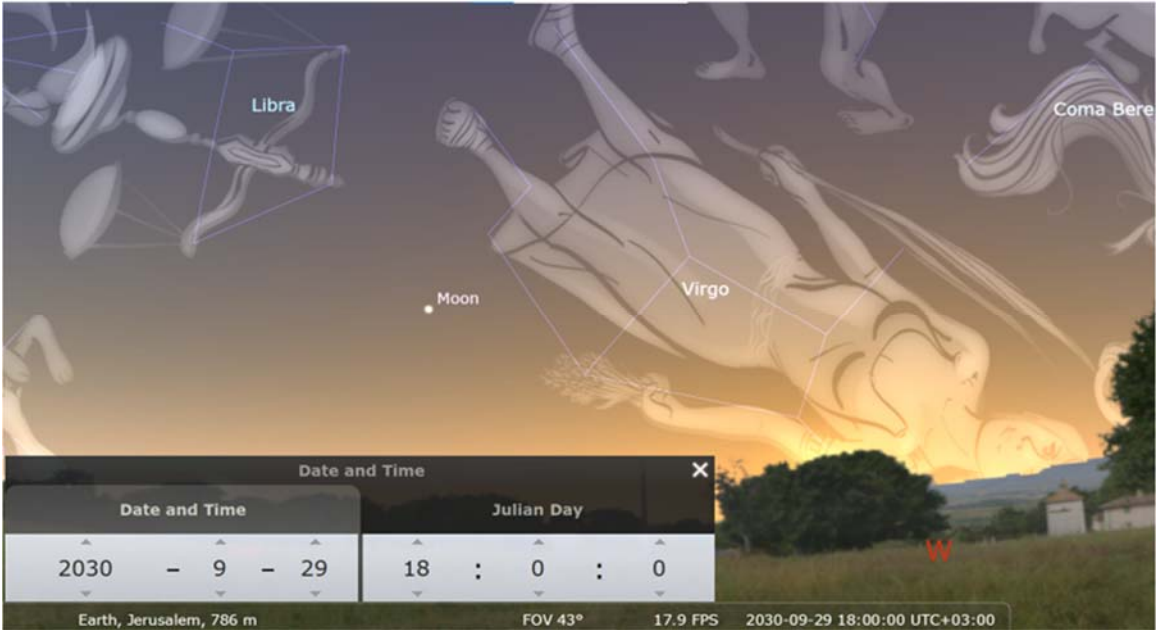
march						
1	2	3	4	5	6	ש
					24	25
26						
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24

june						
1	2	3	4	5	6	ש
						26
27						
28	29	30	4	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25

september						
1	2	3	4	5	6	ש
						28
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27						

december						
1	2	3	4	5	6	ש
						29
30	10	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29					

Stellarium – September 29-30, 2030



Appendix 7 – Visibility Criteria

Most astronomers favor the algorithm proposed by Bernard Yallop for determining the visibility of the new crescent. It appears to be the “Gold Standard” of visibility prediction.

Numerous computational methods and algorithms for predicting the visibility of the lunar crescent have been proposed in the past (a comprehensive bibliography can be [seen here](#)) but the method now most favoured by astronomers is based on the [Yallop algorithm](#), proposed in 1997 by Bernard D. Yallop of the computing section of [HM Nautical Almanac Office](#).

Yallop’s algorithm computes a lunar visibility test parameter q which is based on the geocentric difference in altitude (*i.e.* uncorrected for atmospheric refraction and parallax) between the centre of the sun and the centre of the moon at the ‘best time’ for a given observer and the topocentric width of the lunar crescent. From an analysis of nearly 300 observations (successful or not) of the lunar crescent, Yallop determined the following visibility criteria for the lunar crescent:

A	$q > +0.216$	easily visible to the unaided eye
B	$-0.014 < q < +0.216$	visible to the unaided eye under perfect atmospheric conditions
C	$-0.160 < q < -0.014$	optical aid needed before seen with the unaided eye
D	$-0.232 < q < -0.160$	only visible with binoculars or conventional telescopes
E	$-0.293 < q < -0.232$	not visible with conventional telescopes
F	$q < -0.293$	below the Danjon limit (7°)

The optimum time for searching the young lunar crescent is about halfway between the local times of sunset and moonset. At sunset the western horizon is still too bright to detect the faint lunar crescent against the sky which is still partially illuminated by the sun. As the sun sinks further below the horizon the sky will get darker which makes it easier to find the lunar crescent. However, one should not wait too long as the moon also moves closer to the horizon and becomes fainter due to the rapid increase in atmospheric extinction.

The ‘best time’ is here defined as the time of sunset increased by 4/9ths of the time interval between sunset and moonset. For instance, if the local times of sunset and moonset are at 18:00 and 19:30, then the ‘best time’ to search for the lunar crescent is around 18:40.⁵⁵

The LunaCal programs are the best I have found for predicting the appearance of the new moon, past and present. The intricacies of new crescent visibility are best covered by the LunaCal2.1 program in my opinion. It presents the factors of the table above while the LunaCal4 program does not.

⁵⁵ Global Lunar Crescent Visibility Maps Based on the Yallop Algorithm, accessed May 1, 2022, https://webspacescience.uu.nl/~gent0113/islam/islam_lunvis_method.htm.

TIMELINE

MT Genesis 5 | SP Genesis 11

Times and Appointed Times

19 Year Intercalation Cycle	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8
353 Year Solar Cycle	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331
Sabbatical/Jubilee Cycle	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7

Creation																																			
Roman Year	4595	4594	4593	4592	4591	4590	BCE	4588	4587	4586	4585	4584	4583	BCE	4581	4580	4579	4578	4577	4576	BCE	4574	4573	4572	4571	4570	4569	BCE	4567	4566	4565	4564	4563	4562	BCE
Creation Year	1	2	3	4	5	6	CR	8	9	10	11	12	13	CR	15	16	17	18	19	20	CR	22	23	24	25	26	27	CR	29	30	31	32	33	34	CR
Adam	1	2	3	4	5	6	Adam	8	9	10	11	12	13	Adam	15	16	17	18	19	20	Adam	22	23	24	25	26	27	Adam	29	30	31	32	33	34	Adam

Genesis 5:1-2 MT This is the book of the genealogy of Adam. In the day that *Elohim* created man, he made him in the likeness of *Elohim*. He created them male and female, and blessed them and called them Man in the day they were created.

9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+
332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4

4550	4559	BCE	4557	4556	4555	BCE	4553	4552	4551	4550	4549	4548	BCE	4546	4545	4544	4543	4542	4541	BCE	4539	4538	4537	4536	4535	4534	BCE	4532	4531	4530	4529	4528	4527	BCE	4525	4524	4523	4522
36	37	38	39	40	41	CR	43	44	45	46	47	48	CR	50	51	52	53	54	55	CR	57	58	59	60	61	62	CR	64	65	66	67	68	69	CR	71	72	73	74
36	37	38	39	40	41	Adam	43	44	45	46	47	48	Adam	50	51	52	53	54	55	Adam	57	58	59	60	61	62	Adam	64	65	66	67	68	69	Adam	71	72	73	74

18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1

4521	4520	BCE	4518	4517	4516	4515	4514	4513	BCE	4511	4510	4509	4508	4507	4506	BCE	4504	4503	4502	4501	4500	4499	BCE	4497	4496	4495	4494	4493	4492	BCE	4490	4489	4488	4487	4486	4485	BCE	4483
75	76	CR	78	79	80	81	82	83	CR	85	86	87	88	89	90	CR	92	93	94	95	96	97	CR	99	100	101	102	103	104	CR	106	107	108	109	110	111	CR	113
75	76	Adam	78	79	80	81	82	83	Adam	85	86	87	88	89	90	Adam	92	93	94	95	96	97	Adam	99	100	101	102	103	104	Adam	106	107	108	109	110	111	Adam	113

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19
57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5

4482	4481	4480	4479	4478	BCE	4476	4475	4474	4473	4472	4471	BCE	4469	4468	4467	4466	4465	4464	BCE	4462	4461	4460	4459	4458	4457	BCE	4455	4454	4453	4452	4451	4450	BCE	4448	4447	4446	4445	4444
114	115	116	117	118	CR	120	121	122	123	124	125	CR	127	128	129	130	131	132	CR	134	135	136	137	138	139	CR	141	142	143	144	145	146	CR	148	149	150	151	152
114	115	116	117	118	Adam	120	121	122	123	124	125	Adam	127	128	129	130	131	132	Adam	134	135	136	137	138	139	Adam	141	142	143	144	145	146	Adam	148	149	150	151	152

Genesis 5:3-4 MT Adam lived 130 years and fathered a son in his own image and likeness, and named him Seth. After he fathered Seth, the days of Adam were 800 years and he had sons and daughters.

1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+
96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134
6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2

4443	BCE	4441	4440	4439	4438	4437	4436	BCE	4434	4433	4432	4431	4430	4429	BCE	4427	4426	4425	4424	4423	4422	BCE	4420	4419	4418	4417	4416	4415	BCE	4413	4412	4411	4410	4409	4408	BCE	4406	4405
153	CR	155	156	157	158	159	160	CR	162	163	164	165	166	167	CR	169	170	171	172	173	174	CR	176	177	178	179	180	181	CR	183	184	185	186	187	188	CR	190	191
153	Adam	155	156	157	158	159	160	Adam	162	163	164	165	166	167	Adam	169	170	171	172	173	174	Adam	176	177	178	179	180	181	Adam	183	184	185	186	187	188	Adam	190	191

2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2
135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173
3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6

4404	4403	4402	4401	BCE	4399	4398	4397	4396	4395	4394	BCE	4392	4391	4390	4389	4388	4387	BCE	4385	4384	4383	4382	4381	4380	BCE	4378	4377	4376	4375	4374	4373	BCE	4371	4370	4369	4368	4367	4366
192	193	194	195	CR	197	198	199	200	201	202	CR	204	205	206	207	208	209	CR	211	212	213	214	215	216	CR	218	219	220	221	222	223	CR	225	226	227	228	229	230
192	193	194	195	Adam	197	198	199	200	201	202	Adam	204	205	206	207	208	209	Adam	211	212	213	214	215	216	Adam	218	219	220	221	222	223	Adam	225	226	227	228	229	230

3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+
174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212
7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3

BCE	4364	4363	4362	4361	4360	4359	BCE	4357	4356	4355	4354	4353	4352	4351	4350	4349	4348	4347	4346	4345	BCE	4343	4342	4341	4340	4339	4338	BCE	4336	4335	4334	4333	4332	4331	BCE	4329	4328	4327
CR	232	233	234	235	236	237	CR	239	240	241	242	243	244	CR	246	247	248	249	250	251	CR	253	254	255	256	257	258	CR	260	261	262	263	264	265	CR	267	268	269
Adam	232	233	234	235	236	237	Adam	239	240	241	242	243	244	Adam	246	247	248	249	250	251	Adam	253	254	255	256	257	258	Adam	260	261	262	263	264	265	Adam	267	268	269
Seth	102	103	Seth	105	106	107	Seth	109	110	111	112	113	114	Seth	116	117	118	119	120	121	Seth	123	124	125	126	127	128	Seth	130	131	132	133	134	135	Seth	137	138	139
				0	1	2	Enosh	4	5	6	7	8	9	Enosh	11	12	13	14	15	16	Enosh	18	19	20	21	22	23	Enosh	25	26	27	28	29	30	Enosh	32	33	34

Genesis 5:6-7 MT Seth lived 105 years and fathered Enosh. After he fathered Enosh, Seth lived 807 years and had sons and daughters.

4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4
213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251
4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7

4326	4325	4324	BCE	4322	4321	4320	4319	4318	4317	BCE	4315	4314	4313	4312	4311	4310	BCE	4308	4307	4306	4305	4304	4303	BCE	4301	4300	4299	4298	4297	4296	BCE	4294	4293	4292	4291	4290	4289	BCE
270	271	272	CR	274	275	276	277	278	279	CR	281	282	283	284	285	286	CR	288	289	290	291	292	293	CR	295	296	297	298	299	300	CR	302	303	304	305	306	307	CR
270	271	272	Adam	274	275	276	277	278	279	Adam	281	282	283	284	285	286	Adam	288	289	290	291	292	293	Adam	295	296	297	298	299	300	Adam	302	303	304	305	306	307	Adam
140	141	142	Seth	144	145	146	147	148	149	Seth	151	152	153	154	155	156	Seth	158	159	160	161	162	163	Seth	165	166	167	168	169	170	Seth	172	173	174	175	176	177	Seth
35	36	37	Enosh	39	40	41	42	43	44	Enosh	46	47	48	49	50	51	Enosh	53	54	55	56	57	58	Enosh	60	61	62	63	64	65	Enosh	67	68	69	70	71	72	Enosh

5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5
252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4

4287	4286	4285	4284	4283	4282	BCE	4280	4279	4278	4277	4276	4275	BCE	4273	4272	4271	4270	4269	4268	BCE	4266	4265	4264	4263	4262	4261	BCE	4259	4258	4257	4256	4255	4254	BCE	4252	4251	4250	4249
309	310	311	312	313	314	CR	316	317	318	319	320	321	CR	323	324	325	326	327	328	CR	330	331	332	333	334	335	CR	337	338	339	340	341	342	CR	344	345	346	347
309	310	311	312	313	314	Adam	316	317	318	319	320	321	Adam	323	324	325	326	327	328	Adam	330	331	332	333	334	335	Adam	337	338	339	340	341	342	Adam	344	345	346	347
179	180	181	182	183	184	Seth	186	187	188	189	190	191	Seth	193	194	195	196	197	198	Seth	200	201	202	203	204	205	Seth	207	208	209	210	211	212	Seth	214	215	216	217
74	75	76	77	78	79	Enosh	81	82	83	84	85	86	Enosh	88	89	90	91	92	93	Enosh	95	96	97	98	99	100	Enosh	102	103	104	105	106	107	Enosh	109	110	111	112
							0	1	2	3	Kenan	5	6	7	8	9	10	Kenan	12	13	14	15	16	17	Kenan	19	20	21	22									

Genesis 5:9-10 MT Enosh lived 90 years and fathered Kenan. After he fathered Kenan, Enosh lived 815 years and had sons and daughters.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+																			
291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329
5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1

4248	4247	BCE	4245	4244	4243	4242	4241	4240	BCE	4238	4237	4236	4235	4234	4233	BCE	4231	4230	4229	4228	4227	4226	BCE	4224	4223	4222	4221	4220	4219	BCE	4217	4216	4215	4214	4213	4212	BCE	4210
348	349	CR	351	352	353	354	355	356	CR	358	359	360	361	362	363	CR	365	366	367	368	369	370	CR	372	373	374	375	376	377	CR	379	380	381	382	383	384	CR	386
348	349	Adam	351	352	353	354	355	356	Adam	358	359	360	361	362	363	Adam	365	366	367	368	369	370	Adam	372	373	374	375	376	377	Adam	379	380	381	382	383	384	Adam	386
218	219	Seth	221	222	223	224	225	226	Seth	228	229	230	231	232	233	Seth	235	236	237	238	239	240	Seth	242	243	244	245	246	247	Seth	249	250	251	252	253	254	Seth	256
113	114	Enosh	116	117	118	119	120	121	Enosh	123	124	125	126	127	128	Enosh	130	131	132	133	134	135	Enosh	137	138	139	140	141	142	Enosh	144	145	146	147	148	149	Enosh	151
23	24	Kenan	26	27	28	29	30	31	Kenan	33	34	35	36	37	38	Kenan	40	41	42	43	44	45	Kenan	47	48	49	50	51	52	Kenan	54	55	56	57	58	59	Kenan	61

7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11	1+	2	3	4	5	6+	7	8	9+	10	11+	12	13	14+	15	
350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389
2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	

4209	4208	4207	4206	4205	BCE	4203	4202	4201	4200	4199	4198	BCE	4196	4195	4194	4193	4192	4191	BCE	4189	4188	4187	4186	4185	4184	BCE	4182	4181	4180	4179	4178	4177	BCE	4175	4174	4173	4172	4171
387	388	389	390	391	CR	393	394	395	396	397	398	CR	400	401	402	403	404	405	CR	407	408	409	410	411	412	CR	414	415	416	417	418	419	CR	421	422	423	424	425
387	388	389	390	391	Adam	393	394	395	396	397	398	Adam	400	401	402	403	404	405	Adam	407	408	409	410	411	412	Adam	414	415	416	417	418	419	Adam	421	422	423	424	425
257	258	259	260	261	Seth	263	264	265	266	267	268	Seth	270	271	272	273	274	275	Seth	277	278	279	280	281	282	Seth	284	285	286	287	288	289	Seth	291	292	293	294	295
152	153	154	155	156	Enosh	158	159	160	161	162	163	Enosh	165	166	167	168	169	170	Enosh	172	173	174	175	176	177	Enosh	179	180	181	182	183	184	Enosh	186	187	188	189	190
62	63	64	65	66	Kenan	68	69	70	71	72	73	Kenan	75	76	77	78	79	80	Kenan	82	83	84	85	86	87	Kenan	89	90	91	92	93	94	Kenan	96	97	98	99	100
					Mahalalel							Mahalalel	6	7	8	9	10	Mahalalel	13	14	15	16	17	Mahalalel	20	21	22	23	24	Mahalalel	27	28	29	30				

Genesis 5:12-13 MT Kenan lived 70 years and fathered Mahalalel. After he fathered Mahalalel, Kenan lived 840 years and had sons and daughters.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16																			
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2

4170	BCE	4168	4167	4166	4165	4164	4163	BCE	4161	4160	4159	4158	4157	4156	BCE	4154	4153	4152	4151	4150	4149	BCE	4147	4146	4145	4144	4143	4142	4141	4140	4139	4138	4137	4136	4135	BCE	4133	4132																																																																
426	CR	428	429	430	431	432	433	CR	435	436	437	438	439	440	CR	442	443	444	445	446	447	CR	449	450	451	452	453	454	455	456	457	458	459	460	461	CR	463	464																																																																
426	Adam	428	429	430	431	432	433	Adam	435	436	437	438	439	440	Adam	442	443	444	445	446	447	Adam	449	450	451	452	453	454	Adam	456	457	458	459	460	461	Adam	463	464																																																																
296	Seth	298	299	300	301	302	303	Seth	305	306	307	308	309	310	Seth	312	313	314	315	316	317	Seth	319	320	321	322	323	324	Seth	326	327	328	329	330	331	Seth	333	334																																																																
191	Enosh	193	194	195	196	197	198	Enosh	200	201	202	203	204	205	Enosh	207	208	209	210	211	212	Enosh	214	215	216	217	218	219	Enosh	221	222	223	224	225	226	Enosh	228	229																																																																
101	Kenan	103	104	105	106	107	108	Kenan	110	111	112	113	114	115	Kenan	117	118	119	120	121	122	Kenan	124	125	126	127	128	129	Kenan	131	132	133	134	135	136	Kenan	138	139																																																																
31	Mahalalel	34	35	36	37	38	Mahalalel	41	42	43	44	45	Mahalalel	48	49	50	51	52	Mahalalel	55	56	57	58	59	Mahalalel	62	63	64	65	66	Mahalalel	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	Mahalalel	104	105	106	107	108																																
5	6	7	8	Jerred	10	11	12	13	14	15	16	17	18	19	20	21	22	Jerred	24	25	26	27	28	29	Jerred	31	32	33	34	35	36	Jerred	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	Mahalalel	104	105	106	107	108

Genesis 5:15-16 MT Mahalalel lived 65 years and fathered Jered. After he fathered Jered, Mahalalel lived 830 years and had sons and daughters.

17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+
55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93
3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6

4131	4130	4129	4128	BCE	4126	4125	4124	4123	4122	4121	4120	4119	4118	4117	4116	4115	4114	BCE	4112	4111	4110	4109	4108	4107	4106	4105	4104	4103	4102	4101	4100	BCE	4098	4097	4096	4095	4094	4093
465	466	467	468	CR	470	471	472	473	474	475	CR	477	478	479	480	481	482	CR	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503
465	466	467	468	Adam	470	471	472	473	474	475	Adam	477	478	479	480	481	482	Adam	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503
335	336	337	338	Seth	340	341	342	343	344	345	Seth	347	348	349	350	351	352	Seth	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373
230	231	232	233	Enosh	235	236	237	238	239	240	Enosh	242	243	244	245	246	247	Enosh	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268
140	141	142	143	Kenan	145	146	147	148	149	150	Kenan	152	153	154	155	156	157	Kenan	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178
70	71	72	73	Mahalalel	76	77	78	79	80	Mahalalel	83	84	85	86	87	88	89	Mahalalel	90	91	92	93	94	95	96	97	98	99	100	101	Mahalalel	104	105	106	107	108		
5	6	7	8	Jerred	10	11	12	13	14	15	Jerred	17	18	19	20	21	22	Jerred	24	25	26	27	28	29	Jerred	31	32	33	34	35	36	Jerred	38	39	40	41	42	43

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MT Genesis 5 | SP Genesis 11

18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18																				
94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133
7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	

BCE	4091	4090	4089	4088	4087	4086	BCE	4084	4083	4082	4081	4080	4079	BCE	4077	4076	4075	4074	4073	4072	BCE	4070	4069	4068	4067	4066	4065	BCE	4063	4062	4061	4060	4059	4058	BCE	4056	4055	4054
CR	505	506	507	508	509	510	CR	512	513	514	515	516	517	CR	519	520	521	522	523	524	CR	526	527	528	529	530	531	CR	533	534	535	536	537	538	CR	540	541	542
Adam	505	506	507	508	509	510	Adam	512	513	514	515	516	517	Adam	519	520	521	522	523	524	Adam	526	527	528	529	530	531	Adam	533	534	535	536	537	538	Adam	540	541	542
Seth	375	376	377	378	379	380	Seth	382	383	384	385	386	387	Seth	389	390	391	392	393	394	Seth	396	397	398	399	400	401	Seth	403	404	405	406	407	408	Seth	410	411	412
Enosh	270	271	272	273	274	275	Enosh	277	278	279	280	281	282	Enosh	284	285	286	287	288	289	Enosh	291	292	293	294	295	296	Enosh	298	299	300	301	302	303	Enosh	305	306	307
Kenan	180	181	182	183	184	185	Kenan	187	188	189	190	191	192	Kenan	194	195	196	197	198	199	Kenan	201	202	203	204	205	206	Kenan	208	209	210	211	212	213	Kenan	215	216	217
Mahalalel	111	112	113	114	115	Mahalalel	117	118	119	120	121	122	Mahalalel	125	126	127	128	129	Mahalalel	132	133	134	135	136	Mahalalel	139	140	141	142	143	Mahalalel	146	147	148	149	150		
Jered	45	46	47	48	49	50	Jered	52	53	54	55	56	57	Jered	59	60	61	62	63	64	Jered	66	67	68	69	70	71	Jered	73	74	75	76	77	78	Jered	80	81	82

19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19																			
133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171
4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7

4053	4052	4051	BCE	4049	4048	4047	4046	4045	4044	BCE	4042	4041	4040	4039	4038	4037	BCE	4035	4034	4033	4032	4031	4030	BCE	4028	4027	4026	4025	4024	4023	BCE	4021	4020	4019	4018	4017	4016	BCE	
543	544	545	CR	547	548	549	550	551	552	CR	554	555	556	557	558	559	CR	561	562	563	564	565	566	CR	568	569	570	571	572	573	CR	575	576	577	578	579	580	CR	
543	544	545	Adam	547	548	549	550	551	552	Adam	554	555	556	557	558	559	Adam	561	562	563	564	565	566	Adam	568	569	570	571	572	573	Adam	575	576	577	578	579	580	Adam	
413	414	415	Seth	417	418	419	420	421	422	Seth	424	425	426	427	428	429	Seth	431	432	433	434	435	436	Seth	438	439	440	441	442	443	Seth	445	446	447	448	449	450	Seth	
308	309	310	Enosh	312	313	314	315	316	317	Enosh	319	320	321	322	323	324	Enosh	326	327	328	329	330	331	Enosh	333	334	335	336	337	338	Enosh	340	341	342	343	344	345	Enosh	
218	219	220	Kenan	222	223	224	225	226	227	Kenan	229	230	231	232	233	234	Kenan	236	237	238	239	240	241	Kenan	243	244	245	246	247	248	Kenan	250	251	252	253	254	255	Kenan	
148	149	150	Mahalalel	153	154	155	156	157	Mahalalel	160	161	162	163	164	Mahalalel	167	168	169	170	171	Mahalalel	174	175	176	177	178	Mahalalel	181	182	183	184	Mahalalel	187	188	189	190	191	192	Mahalalel
83	84	85	Jered	87	88	89	90	91	92	Jered	94	95	96	97	98	99	Jered	101	102	103	104	105	106	Jered	108	109	110	111	112	113	Jered	115	116	117	118	119	120	Jered	

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MT Genesis 5 | SP Genesis 11

1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	
172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7

401.4	401.3	401.2	401.1	401.0	400.9	BCE	400.7	400.6	400.5	400.4	400.3	400.2	BCE	400.0	399.9	399.8	399.7	399.6	399.5	BCE	399.3	399.2	399.1	399.0	398.9	398.8	BCE	398.6	398.5	398.4	398.3	398.2	398.1	BCE	397.9	397.8	397.7	397.6
582	583	584	585	586	587	CR	589	590	591	592	593	594	CR	596	597	598	599	600	601	CR	603	604	605	606	607	608	CR	610	611	612	613	614	615	CR	617	618	619	620
582	583	584	585	586	587	Adam	589	590	591	592	593	594	Adam	596	597	598	599	600	601	Adam	603	604	605	606	607	608	Adam	610	611	612	613	614	615	Adam	617	618	619	620

2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2
211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249
5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	

397.5	397.4	BCE	397.2	397.1	397.0	396.9	396.8	396.7	BCE	396.5	396.4	396.3	396.2	396.1	396.0	BCE	395.8	395.7	395.6	395.5	395.4	395.3	BCE	395.1	395.0	394.9	394.8	394.7	394.6	BCE	394.4	394.3	394.2	394.1	394.0	393.9	BCE	393.7	393.6
621	622	CR	624	625	626	627	628	629	CR	631	632	633	634	635	636	CR	638	639	640	641	642	643	CR	645	646	647	648	649	650	CR	652	653	654	655	656	657	CR	659	
621	622	Adam	624	625	626	627	628	629	Adam	631	632	633	634	635	636	Adam	638	639	640	641	642	643	Adam	645	646	647	648	649	650	Adam	652	653	654	655	656	657	Adam	659	

Genesis 5:18-19 MT Jered lived 162 years and fathered Enoch. After he fathered Enoch, Jered lived 800 years and had sons and daughters.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+																			
250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288
2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5

3936	3935	3934	3933	3932	BCE	3930	3929	3928	3927	3926	3925	BCE	3923	3922	3921	3920	3919	3918	BCE	3916	3915	3914	3913	3912	3911	BCE	3909	3908	3907	3906	3905	3904	BCE	3902	3901	3900	3899	3898
660	661	662	663	664	CR	666	667	668	669	670	671	CR	673	674	675	676	677	678	CR	680	681	682	683	684	685	CR	687	688	689	690	691	692	CR	694	695	696	697	698
660	661	662	663	664	Adam	666	667	668	669	670	671	Adam	673	674	675	676	677	678	Adam	680	681	682	683	684	685	Adam	687	688	689	690	691	692	Adam	694	695	696	697	698
530	531	532	533	534	Seth	536	537	538	539	540	541	Seth	543	544	545	546	547	548	Seth	550	551	552	553	554	555	Seth	557	558	559	560	561	562	Seth	564	565	566	567	568
426	427	428	429	430	Enosh	432	433	434	435	436	437	Enosh	440	441	442	443	444	445	Enosh	448	449	450	451	452	453	Enosh	456	457	458	459	460	461	Enosh	464	465	466	467	468
335	336	337	338	339	Kenan	341	342	343	344	345	346	Kenan	348	349	350	351	352	353	Kenan	356	357	358	359	360	Kenan	362	363	364	365	366	367	Kenan	369	370	371	372	373	
265	266	267	268	269	Mahalalel	272	273	274	275	276	277	Mahalalel	279	280	281	282	283	284	Mahalalel	286	287	288	289	290	Mahalalel	292	293	294	295	296	297	Mahalalel	299	300	301	302	303	
200	201	202	203	204	Jered	206	207	208	209	210	211	Jered	213	214	215	216	217	218	Jered	220	221	222	223	224	225	Jered	227	228	229	230	231	232	Jered	234	235	236	237	238
38	39	40	41	42	Enoch	44	45	46	47	48	49	Enoch	51	52	53	54	55	56	Enoch	58	59	60	61	62	63	Enoch	65	66	67	68	69	70	Enoch	72	73	74	75	76

Methuseleh
0 1 2 3 4 5 Methuseleh 8 9 10 11

Genesis 5:21-22 MT Enoch lived 65 years and fathered Methuseleh. After the fathered Methuseleh, Enoch walked with Elohim 300 years and had sons and daughters.

4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4																			
289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327
6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2

3897	BCE	3895	3894	3893	3892	3891	3890	BCE	3888	3887	3886	3885	3884	3883	BCE	3881	3880	3879	3878	3877	3876	BCE	3874	3873	3872	3871	3870	3869	BCE	3867	3866	3865	3864	3863	3862	BCE	3860	3859
699	CR	701	702	703	704	705	706	CR	708	709	710	711	712	713	CR	715	716	717	718	719	720	CR	722	723	724	725	726	727	CR	729	730	731	732	733	734	CR	736	737
699	Adam	701	702	703	704	705	706	Adam	708	709	710	711	712	713	Adam	715	716	717	718	719	720	Adam	722	723	724	725	726	727	Adam	729	730	731	732	733	734	Adam	736	737
569	Seth	571	572	573	574	575	576	Seth	578	579	580	581	582	583	Seth	585	586	587	588	589	590	Seth	592	593	594	595	596	597	Seth	599	600	601	602	603	604	Seth	606	607
464	Enosh	466	467	468	469	470	471	Enosh	473	474	475	476	477	478	Enosh	480	481	482	483	484	485	Enosh	487	488	489	490	491	492	Enosh	494	495	496	497	498	499	Enosh	501	502
374	Kenan	376	377	378	379	380	381	Kenan	383	384	385	386	387	388	Kenan	390	391	392	393	394	395	Kenan	397	398	399	400	401	402	Kenan	404	405	406	407	408	409	Kenan	411	412
304	Mahalalel	307	308	309	310	311	312	Mahalalel	314	315	316	317	318	Mahalalel	321	322	323	324	325	326	Mahalalel	328	329	330	331	332	Mahalalel	335	336	337	338	339	Mahalalel	342	343	344	345	
239	Jered	241	242	243	244	245	246	Jered	248	249	250	251	252	253	Jered	255	256	257	258	259	260	Jered	262	263	264	265	266	Jered	269	270	271	272	273	274	Jered	276	277	
77	Enoch	79	80	81	82	83	84	Enoch	86	87	88	89	90	91	Enoch	93	94	95	96	97	98	Enoch	100	101	102	103	104	105	Enoch	107	108	109	110	111	112	Enoch	114	115
12	Methuseleh	15	16	17	18	19	20	Methuseleh	22	23	24	25	26	27	Methuseleh	29	30	31	32	33	34	Methuseleh	36	37	38	39	40	Methuseleh	43	44	45	46	47	Methuseleh	49	50		

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13
328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	1	2	3	4	5	6	7	8	9	10	11	12	13
3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6

3858	3857	3856	3855	3854	3853	3852	3851	3850	3849	3848	BCE	3846	3845	3844	3843	3842	3841	BCE	3839	3838	3837	3836	3835	3834	BCE	3832	3831	3830	3829	3828	3827	BCE	3825	3824	3823	3822	3821	3820
728	729	740	741	CR	743	744	745	746	747	748	CR	750	751	752	753	754	755	CR	757	758	759	760	761	762	CR	764	765	766	767	768	769	CR	771	772	773	774	775	776

728	739	740	741	Adam	743	744	745	746	747	748	Adam	750	751	752	753	754	755	Adam	757	758	759	760	761	762	Adam	764	765	766	767	768	769	Adam	771	772	773	774	775	776		
608	609	610	611	Seth	613	614	615	616	617	618	Seth	620	621	622	623	624	625	Seth	627	628	629	630	631	632	Seth	634	635	636	637	638	639	Seth	641	642	643	644	645	646		
503	504	505	506	Enosh	508	509	510	511	512	513	Enosh	515	516	517	518	519	520	Enosh	522	523	524	525	526	527	Enosh	529	530	531	532	533	534	Enosh	536	537	538	539	540	541		
413	414	415	416	Kenan	418	419	420	421	422	423	Kenan	425	426	427	428	429	430	Kenan	432	433	434	435	436	437	Kenan	439	440	441	442	443	444	Kenan	446	447	448	449	450	451		
343	344	345	346	Mahalalel	349	350	351	352	353	354	Mahalalel	356	357	358	359	360	Mahalalel	363	364	365	366	367	Mahalalel	370	371	372	373	374	Mahalalel	377	378	379	380	381						
278	279	280	281	Jered	283	284	285	286	287	288	Jered	290	291	292	293	294	Jered	297	298	299	300	301	302	Jered	304	305	306	307	308	309	Jered	311	312	313	314	315	316			
116	117	118	119	Enoch	121	122	123	124	125	126	Enoch	128	129	130	131	132	133	Enoch	135	136	137	138	139	140	Enoch	142	143	144	145	146	147	Enoch	149	150	151	152	153	154		
51	52	53	54	Methuselah	57	58	59	60	61	Methuselah	64	65	66	67	68	Methuselah	71	72	73	74	75	76	77	Methuselah	78	79	80	81	82	Methuselah	85	86	87	88	89					

14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3

BCE	3818	3817	3816	3815	3814	3813	BCE	3811	3810	3809	3808	3807	3806	BCE	3804	3803	3802	3801	3800	3799	BCE	3797	3796	3795	3794	3793	3792	BCE	3790	3789	3788	3787	3786	3785	3784	3783	3782	3781
CR	778	779	780	781	782	783	CR	785	786	787	788	789	790	CR	792	793	794	795	796	797	CR	799	800	801	802	803	804	CR	806	807	808	809	810	811	812	813	814	

Adam	778	779	780	781	782	783	Adam	785	786	787	788	789	790	Adam	792	793	794	795	796	797	Adam	799	800	801	802	803	804	Adam	806	807	808	809	810	811	Adam	813	814	815	
Seth	648	649	650	651	652	653	Seth	655	656	657	658	659	660	Seth	662	663	664	665	666	667	Seth	669	670	671	672	673	674	Seth	676	677	678	679	680	681	Seth	683	684	685	
Enosh	543	544	545	546	547	548	Enosh	550	551	552	553	554	555	Enosh	557	558	559	560	561	562	Enosh	564	565	566	567	568	569	Enosh	571	572	573	574	575	576	Enosh	578	579	580	
Kenan	453	454	455	456	457	458	Kenan	460	461	462	463	464	465	Kenan	467	468	469	470	471	472	Kenan	474	475	476	477	478	479	Kenan	481	482	483	484	485	486	Kenan	488	489	490	
Mahalalel	384	385	386	387	388	389	Mahalalel	391	392	393	394	395	Mahalalel	398	399	400	401	402	Mahalalel	405	406	407	408	409	Mahalalel	412	413	Mahalalel	414	415	416	Mahalalel	419	420	421	422	423		
Jered	318	319	320	321	322	323	Jered	325	326	327	328	329	330	Jered	333	334	335	336	Jered	339	340	341	342	343	Jered	346	347	Jered	349	350	351	Jered	353	354	355				
Enoch	156	157	158	159	160	161	Enoch	163	164	165	166	167	168	Enoch	170	171	172	173	174	175	Enoch	177	178	179	180	181	Enoch	184	185	186	187	188	189	Enoch	191	192	193		
Methuselah	92	93	94	95	96	Methuselah	99	100	101	102	103	Methuselah	106	107	108	109	110	Methuselah	113	114	115	116	117	Methuselah	120	121	122	123	124	Methuselah	127	128							

Times and Appointed Times

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15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15																			
53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91
4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7

3780	3779	3778	BCE	3776	3775	3774	3773	3772	3771	BCE	3769	3768	3767	3766	3765	3764	BCE	3762	3761	3760	3759	3758	3757	BCE	3755	3754	3753	3752	3751	3750	BCE	3748	3747	3746	3745	3744	3743	BCE	
816	817	818	CR	820	821	822	823	824	825	CR	827	828	829	830	831	832	CR	834	835	836	837	838	839	CR	841	842	843	844	845	846	CR	848	849	850	851	852	853	CR	
816	817	818	Adam	820	821	822	823	824	825	Adam	827	828	829	830	831	832	Adam	834	835	836	837	838	839	Adam	841	842	843	844	845	846	Adam	848	849	850	851	852	853	Adam	
686	687	688	Seth	690	691	692	693	694	695	Seth	697	698	699	700	701	702	Seth	704	705	706	707	708	709	Seth	711	712	713	714	715	716	Seth	718	719	720	721	722	723	Seth	
581	582	583	Enosh	585	586	587	588	589	590	Enosh	592	593	594	595	596	597	Enosh	600	601	602	603	604	Enosh	606	607	608	609	610	611	Enosh	613	614	615	616	617	618	Enosh		
491	492	493	Kenan	495	496	497	498	499	500	Kenan	502	503	504	505	506	507	Kenan	509	510	511	512	513	514	Kenan	516	517	518	519	520	521	Kenan	523	524	525	526	527	528	Kenan	
421	422	423	Methuselah	426	427	428	429	430	Methuselah	433	434	435	436	437	Methuselah	440	441	442	443	444	Methuselah	447	448	449	450	451	Methuselah	454	455	456	457	Methuselah	459	460	461	462	463	Methuselah	
396	397	398	Jered	360	361	362	363	364	365	Jered	367	368	369	370	371	372	Jered	381	382	383	384	385	386	Jered	388	389	390	391	392	393	Jered	396	397	398	399	400	401	Jered	
194	195	196	Enoch	198	199	200	201	202	203	Enoch	205	206	207	208	209	210	Enoch	212	213	214	215	216	217	Enoch	219	220	221	222	223	224	Enoch	226	227	228	229	230	231	Enoch	
129	130	131	Methuselah	134	135	136	137	138	Methuselah	141	142	143	144	145	Methuselah	148	149	150	151	152	Methuselah	155	156	157	158	159	Methuselah	162	163	164	165	Methuselah	168	169	170	171	172	173	Methuselah

16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16																			
92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4

3741	3740	3739	3738	BCE	3736	3735	3734	3733	3732	3731	3730	3729	BCE	3727	3726	3725	3724	3723	3722	BCE	3720	3719	3718	3717	3716	3715	BCE	3713	3712	3711	3710	3709	3708	BCE	3706	3705	3704	3703	BCE	
855	856	857	858	859	860	CR	862	863	864	865	866	867	CR	869	870	871	872	873	874	CR	876	877	878	879	880	881	CR	883	884	885	886	887	888	CR	890	891	892	893	CR	
855	856	857	858	859	860	Adam	862	863	864	865	866	867	Adam	869	870	871	872	873	874	Adam	876	877	878	879	880	881	Adam	883	884	885	886	887	888	Adam	890	891	892	893	Adam	
725	726	727	728	729	730	Seth	732	733	734	735	736	737	Seth	739	740	741	742	743	744	Seth	746	747	748	749	750	751	Seth	753	754	755	756	757	758	Seth	760	761	762	763	Seth	
620	621	622	623	624	625	Enosh	627	628	629	630	631	632	Enosh	634	635	636	637	638	639	640	Enosh	641	642	643	644	645	646	Enosh	648	649	650	651	652	653	Enosh	656	657	658	659	Enosh
530	531	532	533	534	535	Kenan	537	538	539	540	541	542	Kenan	544	545	546	547	548	549	550	Kenan	551	552	553	554	555	556	Kenan	558	559	560	561	562	563	Kenan	565	566	567	568	Kenan
460	461	462	463	464	465	Methuselah	468	469	470	471	472	Methuselah	475	476	477	478	479	480	481	Methuselah	482	483	484	485	486	487	Methuselah	489	490	491	492	493	Methuselah	496	497	498	499	500	Methuselah	
395	396	397	398	399	400	Jered	402	403	404	405	406	407	Jered	409	410	411	412	413	414	Jered	416	417	418	419	420	421	Jered	423	424	425	426	427	Jered	430	431	432	433	Jered		
233	234	235	236	237	238	Enoch	240	241	242	243	244	245	Enoch	247	248	249	250	251	252	Enoch	254	255	256	257	258	259	Enoch	261	262	263	264	265	Enoch	268	269	270	271	Enoch		
168	169	170	171	172	173	Methuselah	176	177	178	179	180	Methuselah	183	184	185	186	187	188	189	Methuselah	190	191	192	193	194	195	Methuselah	197	198	199	200	201	Methuselah	204	205	206	207	Methuselah		

Genesis 5:25-26 MT Methuselah lived 187 years and fathered Lamech. After her fathered Lamech, Methuselah lived 782 years and had sons and daughters.

Times and Appointed Times

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	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3	4	5	6	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2
BCE	3545	3544	3543	3542	3541	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	3540	
CR	1051	1052	1053	1054	1055	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	1056	

Enosh	816	817	818	819	820	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	821	
Kenan	726	727	728	729	730	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731
Mahalalel	657	658	659	660	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661
Jered	591	592	593	594	595	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596
Methuseleh	365	366	367	368	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	
Lamech	177	178	179	180	181	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	
0	Noah	2	3	4	5	6	7	Noah	9	10	11	12	13	14	Noah	16	17	18	19	20	21	202	203	Lamech	205	206	207	208	209	210	Lamech	212	213	214	Noah	30	31	32	

Genesis 5:28-30 MT Lamech lived 182 years and fathered a son. And he called his name Noah, saying, "This one will comfort us concerning our work and the toil of our hands, because of the ground which n^m has cursed". After the fathered Noah, Lamech lived 595 years and had sons and daughters.

3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11	1+	2	3+	4	5	6+	7	8	9+	10	11+
326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	1	2	3	4	5	6	7	8	9	10	11
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	

3507	3506	BCE	3503	3502	3501	3500	3499	3498	BCE	3496	3495	3494	3493	3492	3491	BCE	3489	3488	3487	3486	3485	3484	BCE	3482	3481	3480	3479	3478	3477	BCE	3475	3474	3473	3472	3471	BCE				
1089	1090	1091	CR	1093	1094	1095	1096	1097	1098	CR	1100	1101	1102	1103	1104	1105	CR	1107	1108	1109	1110	1111	1112	CR	1114	1115	1116	1117	1118	1119	CR	1121	1122	1123	1124	1125	1126	CR		
854	855	856	Enosh	858	859	860	861	862	863	Enosh	865	866	867	868	869	870	Enosh	872	873	874	875	876	877	Enosh	879	880	881	882	883	884	Enosh	886	887	888	889	890	891	Enosh		
764	765	766	Kenan	768	769	770	771	772	773	Kenan	775	776	777	778	779	780	Kenan	782	783	784	785	786	787	Kenan	789	790	791	792	793	794	Kenan	796	797	798	799	800	801	Kenan		
694	695	696	Mahalalel	699	700	701	702	703	Mahalalel	706	707	708	709	710	Mahalalel	713	714	715	716	717	Mahalalel	720	721	Mahalalel	723	724	Mahalalel	727	728	729	Mahalalel	732	733	734	Mahalalel	737	738	739	Mahalalel	
629	630	631	Jered	633	634	635	636	637	638	Jered	640	641	642	643	644	645	Jered	647	648	649	650	651	652	Jered	654	655	656	657	658	659	Jered	661	662	663	664	665	666	667	Jered	
402	403	404	Methuseleh	407	408	409	410	411	Methuseleh	414	415	416	417	418	Methuseleh	421	422	423	424	425	Methuseleh	428	429	430	431	432	Methuseleh	435	436	437	438	Methuseleh	441	442	443	444	445	446	447	Methuseleh
215	216	217	Lamech	219	220	221	222	223	224	Lamech	226	227	228	229	230	231	Lamech	233	234	235	236	237	238	Lamech	240	241	242	243	244	245	Lamech	247	248	249	250	251	252	Lamech		
33	34	35	Noah	37	38	39	40	41	42	Noah	44	45	46	47	48	49	Noah	51	52	53	54	55	56	Noah	58	59	60	61	62	63	Noah	65	66	67	68	69	70	Noah		

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4

3468	3467	3466	3465	3464	3463	BCE	3461	3460	3459	3458	3457	3456	BCE	3454	3453	3452	3451	3450	3449	BCE	3447	3446	3445	3444	3443	3442	BCE	3440	3439	3438	3437	3436	3435	BCE	3433	3432	3431	3430			
1128	1129	1130	1131	1132	1133	CR	1135	1136	1137	1138	1139	1140	CR	1142	1143	1144	1145	1146	1147	CR	1149	1150	1151	1152	1153	1154	CR	1156	1157	1158	1159	1160	1161	CR	1163	1164	1165	1166			
883	884	885	886	887	888	Enoch	900	901	902	903	904	905	Kenan	817	818	819	820	821	822	Kenan	824	825	826	827	828	829	Kenan	831	832	833	834	835	836	Kenan	838	839	840	841			
803	804	805	806	807	808	Kenan	810	811	812	813	814	815	Mahalalel	748	749	750	751	752	Mahalalel	755	756	757	758	759	Mahalalel	762	763	764	765	766	Mahalalel	769	770	771	772	773	734	735	736	737	738
688	689	690	691	692	693	Jered	676	677	678	679	680	681	Jered	682	683	684	685	686	687	Jered	689	690	691	692	693	694	Jered	696	697	698	699	700	701	Jered	703	704	705	706			
441	442	443	444	445	446	Methuselah	449	450	451	452	453	454	Methuselah	456	457	458	459	460	Methuselah	463	464	465	466	467	Methuselah	470	471	472	473	474	Methuselah	477	478	479	480	481	254	255	256	257	258
72	73	74	75	76	77	Noah	79	80	81	82	83	84	Noah	86	87	88	89	90	91	Noah	93	94	95	96	97	98	Noah	100	101	102	103	104	105	Noah	107	108	109	110			

Genesis 5:11 MT So all the days of Enoch were 905 years and he died.

13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1

3429	3428	BCE	3426	3425	3424	3423	3422	3421	BCE	3419	3418	3417	3416	3415	3414	BCE	3412	3411	3410	3409	3408	3407	BCE	3405	3404	3403	3402	3401	3400	BCE	3398	3397	3396	3395	BCE	3393	3392	3391		
1167	1168	CR	1170	1171	1172	1173	1174	1175	CR	1177	1178	1179	1180	1181	1182	CR	1184	1185	1186	1187	1188	1189	CR	1191	1192	1193	1194	1195	1196	CR	1198	1199	1200	1201	1202	1203	CR	1205		
843	844	Kenan	845	846	847	848	849	850	Kenan	852	853	854	855	856	857	Kenan	859	860	861	862	863	864	Kenan	866	867	868	869	870	871	Kenan	873	874	875	876	877	878	Kenan	880		
772	773	Mahalalel	774	775	776	777	778	779	Mahalalel	781	782	783	784	785	786	Mahalalel	789	790	791	792	793	794	Mahalalel	796	797	798	799	800	801	Mahalalel	803	804	805	806	807	808	Mahalalel	811		
707	708	Jered	710	711	712	713	714	715	Jered	717	718	719	720	721	722	Jered	724	725	726	727	728	729	Jered	731	732	733	734	735	736	Jered	738	739	740	741	742	743	Jered	746		
480	481	Methuselah	484	485	486	487	488	Methuselah	491	492	493	494	495	Methuselah	498	499	500	501	502	Methuselah	505	506	507	508	509	Methuselah	512	513	514	515	516	Methuselah	519	520	521	522	523	524	525	526
293	294	Lamech	296	297	298	299	300	301	Lamech	303	304	305	306	307	308	Lamech	310	311	312	313	314	315	Lamech	317	318	319	320	321	322	Lamech	324	325	326	327	328	329	Lamech	331		
111	112	Noah	114	115	116	117	118	119	Noah	121	122	123	124	125	126	Noah	128	129	130	131	132	133	Noah	135	136	137	138	139	140	Noah	142	143	144	145	146	147	Noah	149		

14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5

3390	3388	3387	3386	BCE	3384	3383	3382	3381	3380	3379	BCE	3377	3376	3375	3374	3373	3372	BCE	3370	3369	3368	3367	3366	3365	BCE	3363	3362	3361	3360	3359	3358	BCE	3356	3355	3354	3353	3352		
1206	1207	1208	1209	1210	CR	1212	1213	1214	1215	1216	1217	CR	1219	1220	1221	1222	1223	1224	CR	1226	1227	1228	1229	1230	1231	CR	1233	1234	1235	1236	1237	1238	CR	1240	1241	1242	1243	1244	
881	882	883	884	885	Kenan	887	888	889	890	891	892	Kenan	894	895	896	897	898	899	Kenan	901	902	903	904	905	906	Kenan	908	909	910	910	910	910	910	910	910	910	910	910	
811	812	813	814	815	Mahalelel	818	819	820	821	822	Mahalelel	825	826	827	828	829	Mahalelel	832	833	834	835	836	Mahalelel	839	840	841	842	843	843	843	843	843	843	843	843	843	843	843	
746	747	748	749	750	Jered	752	753	754	755	756	757	Jered	759	760	761	762	763	764	Jered	766	767	768	769	770	771	Jered	773	774	775	776	777	778	778	778	778	778	778	778	778
519	520	521	522	523	Methuselelel	526	527	528	529	530	Methuselelel	533	534	535	536	537	Methuselelel	540	541	542	543	544	Methuselelel	547	548	549	550	551	Methuselelel	554	555	556	557	557	557	557	557	557	
332	333	334	335	336	Lamech	338	339	340	341	342	343	Lamech	345	346	347	348	349	350	Lamech	352	353	354	355	356	357	Lamech	359	360	361	362	363	364	Lamech	366	367	368	369	370	
150	151	152	153	154	Noah	156	157	158	159	160	161	Noah	163	164	165	166	167	168	Noah	170	171	172	173	174	175	Noah	177	178	179	180	181	182	Noah	184	185	186	187	188	

Genesis 5:14 MT So all the days of Kenan were 910 years and he died.

15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167
6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2

3351	BCE	3349	3348	3347	3346	3345	3344	BCE	3342	3341	3340	3339	3338	3337	BCE	3335	3334	3333	3332	3331	3330	BCE	3328	3327	3326	3325	3324	3323	BCE	3321	3320	3319	3318	3317	3316	BCE	3314	3313	
1245	CR	1247	1248	1249	1250	1251	1252	CR	1254	1255	1256	1257	1258	1259	CR	1261	1262	1263	1264	1265	1266	CR	1268	1269	1270	1271	1272	1273	CR	1275	1276	1277	1278	1279	1280	CR	1282	1283	
850	Mahalelel	853	854	855	856	857	Mahalelel	860	861	862	863	864	Mahalelel	867	868	869	870	871	Mahalelel	874	875	876	877	878	Mahalelel	881	882	883	884	885	Mahalelel	888	888	888	888	888	888	888	888
785	Jered	787	788	789	790	791	792	Jered	794	795	796	797	798	799	Jered	801	802	803	804	805	806	Jered	808	809	810	811	812	813	813	Jered	815	816	817	818	819	820	Jered	822	823
558	Methuselelel	561	562	563	564	565	Methuselelel	568	569	570	571	572	Methuselelel	575	576	577	578	579	Methuselelel	582	583	584	585	586	Methuselelel	589	590	591	592	593	Methuselelel	596	596	596	596	596	596	596	596
371	Lamech	373	374	375	376	377	378	Lamech	380	381	382	383	384	385	Lamech	387	388	389	390	391	392	Lamech	394	395	396	397	398	399	Lamech	401	402	403	404	405	406	Lamech	408	409	
189	Noah	191	192	193	194	195	196	Noah	198	199	200	201	202	203	Noah	205	206	207	208	209	210	Noah	212	213	214	215	216	217	Noah	219	220	221	222	223	224	Noah	226	227	

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16																			
168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206
3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6

3312	3311	3310	3309	BCE	3307	3306	3305	3304	3303	3302	3301	BCE	3300	3299	3298	3297	3296	3295	BCE	3293	3292	3291	3290	3289	3288	BCE	3286	3285	3284	3283	3282	3281	BCE	3279	3278	3277	3276	3275	3274
1284	1285	1286	1287	CR	1289	1290	1291	1292	1293	1294	CR	1296	1297	1298	1299	1300	1301	1302	CR	1303	1304	1305	1306	1307	1308	CR	1310	1311	1312	1313	1314	1315	CR	1317	1318	1319	1320	1321	1322

889	890	891	892	Mahalalel	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962																																																																																																
597	598	599	600	Methuselah	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766

Genesis 5:17 MT So all the days of Mahalalel were 895 years and he died.

17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+
207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245
7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3

BCE	3272	3271	3270	3269	3268	3267	BCE	3265	3264	3263	3262	3261	3260	BCE	3258	3257	3256	3255	3254	3253	BCE	3251	3250	3249	3248	3247	3246	BCE	3244	3243	3242	3241	3240	3239	BCE	3237	3236	3235
CR	1324	1325	1326	1327	1328	1329	CR	1331	1332	1333	1334	1335	1336	CR	1338	1339	1340	1341	1342	1343	CR	1345	1346	1347	1348	1349	1350	CR	1352	1353	1354	1355	1356	1357	CR	1359	1360	1361

Jered	864	865	866	867	868	869	Jered	871	872	873	874	875	876	Jered	878	879	880	881	882	883	Jered	885	886	887	888	889	890	Jered	892	893	894	895	896	897	Jered	899	900	901																																																																																																																																																																																						
Methuselah	638	639	640	641	642	Methuselah	645	646	647	648	649	Methuselah	652	653	654	655	656	Methuselah	659	660	661	662	663	Methuselah	666	667	668	669	670	Methuselah	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862

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1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11	1+	2	3+	4	5	6+	7	8	9+
324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	1	2	3	4	5	6	7	8	9
5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1

3156	3155	BCE	3153	3152	3151	3150	3149	3148	BCE	3146	3145	3144	3143	3142	3141	BCE	3139	3138	3137	3136	3135	3134	BCE	3132	3131	3130	3129	3128	3127	BCE	3125	3124	3123	3122	3121	BCE	3118
1440	1441	CR	1443	1444	1445	1446	1447	1448	CR	1450	1451	1452	1453	1454	1455	CR	1457	1458	1459	1460	1461	1462	CR	1464	1465	1466	1467	1468	1469	CR	1471	1472	1473	1474	1475	CR	1478

753	754	Methuselah	757	758	759	760	761	Methuselah	764	765	766	767	768	Methuselah	771	772	773	774	775	Methuselah	778	779	780	781	782	Methuselah	785	786	787	788	Methuselah	789	Methuselah					
566	567	Lamech	569	570	571	572	573	Lamech	576	577	578	579	580	581	Lamech	583	584	585	586	587	588	Lamech	590	591	592	593	594	595	596	600	Lamech	601	Lamech	604				
384	385	Noah	387	388	389	390	391	392	Noah	394	395	396	397	398	399	Noah	401	402	403	404	405	406	Noah	408	409	410	411	412	413	Noah	415	416	417	418	419	420	Noah	422

10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5

3117	3116	3115	3114	3113	BCE	3111	3110	3109	3108	3107	3106	BCE	3104	3103	3102	3101	3100	3099	BCE	3097	3096	3095	3094	3093	3092	BCE	3090	3089	3088	3087	3086	3085	BCE	3083	3082	3081	3080	3079
1479	1480	1481	1482	1483	CR	1485	1486	1487	1488	1489	1490	CR	1492	1493	1494	1495	1496	1497	CR	1499	1500	1501	1502	1503	1504	CR	1506	1507	1508	1509	1510	1511	CR	1513	1514	1515	1516	1517

792	793	794	795	Methuselah	799	800	801	802	803	Methuselah	806	807	808	809	810	Methuselah	813	814	815	816	817	Methuselah	820	821	822	823	824	Methuselah	827	828	829	830				
605	606	607	608	Lamech	611	612	613	614	615	616	Lamech	618	619	620	621	622	Lamech	625	626	627	628	Lamech	632	633	634	635	636	Lamech	639	640	641	642	643			
423	424	425	426	Noah	429	430	431	432	433	434	Noah	436	437	438	439	440	441	Noah	443	444	445	446	447	448	449	450	451	Noah	454	455	456	457	458	459	460	461

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11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	11+																		
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87
6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2

3078	BCE	3076	3075	3074	3073	3072	3071	BCE	3069	3068	3067	3066	3065	3064	BCE	3062	3061	3060	3059	3058	3057	BCE	3055	3054	3053	3052	3051	3050	BCE	3048	3047	3046	3045	3044	3043	BCE	3041	3040
1518	CR	1520	1521	1522	1523	1524	1525	CR	1527	1528	1529	1530	1531	1532	CR	1534	1535	1536	1537	1538	1539	CR	1541	1542	1543	1544	1545	1546	CR	1548	1549	1550	1551	1552	1553	CR	1555	1556

831	Methuseleh	834	835	836	837	838	Methuseleh	841	842	843	844	845	Methuseleh	848	849	850	851	852	Methuseleh	855	856	857	858	859	Methuseleh	862	863	864	865	866	Methuseleh	869						
644	Lamech	646	647	648	649	650	651	Lamech	653	654	655	656	657	658	Lamech	660	661	662	663	664	665	Lamech	667	668	669	670	671	672	Lamech	674	675	676	677	678	679	Lamech	681	682
462	Noah	464	465	466	467	468	469	Noah	471	472	473	474	475	476	Noah	478	479	480	481	482	483	Noah	485	486	487	488	489	490	Noah	492	493	494	495	496	497	Noah	499	500

12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12
88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126
3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6

3039	3038	3037	3036	BCE	3034	3033	3032	3031	3030	3029	BCE	3027	3026	3025	3024	3023	3022	BCE	3020	3019	3018	3017	3016	3015	BCE	3013	3012	3011	3010	3009	3008	BCE	3006	3005	3004	3003	3002	3001
1557	1558	1559	1560	CR	1562	1563	1564	1565	1566	1567	CR	1569	1570	1571	1572	1573	1574	CR	1576	1577	1578	1579	1580	1581	CR	1583	1584	1585	1586	1587	1588	CR	1590	1591	1592	1593	1594	1595

870	871	872	873	Methuseleh	876	877	878	879	880	Methuseleh	883	884	885	886	887	Methuseleh	890	891	892	893	894	Methuseleh	897	898	899	900	901	Methuseleh	904	905	906	907	908					
683	684	685	686	Lamech	688	689	690	691	692	693	Lamech	695	696	697	698	699	700	Lamech	702	703	704	705	706	707	Lamech	709	710	711	712	713	714	Lamech	716	717	718	719	720	721
Noah	502	503	504	Noah	506	507	508	509	510	511	Noah	513	514	515	516	517	518	Noah	520	521	522	523	524	525	Noah	527	528	529	530	531	532	Noah	534	535	536	537	538	539
0	1	2	Shem	4	5	6	7	8	9	Shem	11	12	13	14	15	16	Shem	18	19	20	21	22	23	Shem	25	26	27	28	29	30	Shem	32	33	34	35	36	37	

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15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15
205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4

2922	2921	2920	2919	2918	2917	BCE	2915	2914	2913	2912	2911	2910	BCE	2908	2907	2906	2905	2904	2903	BCE	2901	2900	2899	2898	2897	2896	BCE	2894	2893	2892	2891	2890	2889	BCE	2887	2886	2885	2884
1674	1675	1676	1677	1678	1679	CR	1681	1682	1683	1684	1685	1686	CR	1688	1689	1690	1691	1692	1693	CR	1695	1696	1697	1698	1699	1700	CR	1702	1703	1704	1705	1706	1707	CR	1709	1710	1711	1712

618	619	620	621	622	623	Noah	625	626	627	628	629	630	Noah	632	633	634	635	636	637	Noah	639	640	641	642	643	644	Noah	646	647	648	649	650	651	Noah	653	654	655	656
116	117	118	119	120	121	Shem	123	124	125	126	127	128	Shem	130	131	132	133	134	135	Shem	137	138	139	140	141	142	Shem	144	145	146	147	148	149	Shem	151	152	153	154
16	17	18	19	20	21	Arpachshad	24	25	26	27	28	Arpachshad	31	32	33	34	35	Arpachshad	38	39	40	41	42	Arpachshad	45	46	47	48	49	Arpachshad	52	53	54					

16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16
244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282
5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1

2883	2882	BCE	2880	2879	2878	2877	2876	2875	BCE	2873	2872	2871	2870	2869	2868	BCE	2866	2865	2864	2863	2862	2861	BCE	2859	2858	2857	2856	2855	2854	BCE	2852	2851	2850	2849	2848	2847	BCE	2845
1713	1714	CR	1716	1717	1718	1719	1720	1721	CR	1723	1724	1725	1726	1727	1728	CR	1730	1731	1732	1733	1734	1735	CR	1737	1738	1739	1740	1741	1742	CR	1744	1745	1746	1747	1748	1749	CR	1751

657	658	Noah	660	661	662	663	664	665	Noah	667	668	669	670	671	672	Noah	674	675	676	677	678	679	Noah	681	682	683	684	685	686	Noah	688	689	690	691	692	693	Noah	695
155	156	Shem	158	159	160	161	162	163	Shem	165	166	167	168	169	170	Shem	172	173	174	175	176	177	Shem	179	180	181	182	183	184	Shem	186	187	188	189	190	191	Shem	193
55	56	Arpachshad	59	60	61	62	63	Arpachshad	66	67	68	69	70	Arpachshad	73	74	75	76	77	Arpachshad	80	81	82	83	84	Arpachshad	87	88	89	90	91	Arpachshad						

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17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+																			
283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321
2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5

2844	2843	2842	2841	2840	BCE	2838	2837	2836	2835	2834	2833	BCE	2831	2830	2829	2828	2827	2826	2825	BCE	2824	2823	2822	2821	2820	2819	BCE	2817	2816	2815	2814	2813	2812	BCE	2810	2809	2808	2807	2806
1752	1753	1754	1755	1756	CR	1758	1759	1760	1761	1762	1763	CR	1765	1766	1767	1768	1769	1770	CR	1772	1773	1774	1775	1776	1777	CR	1779	1780	1781	1782	1783	1784	CR	1786	1787	1788	1789	1790	

696	697	698	699	700	Noah	702	703	704	705	706	707	Noah	709	710	711	712	713	714	Noah	716	717	718	719	720	721	Noah	723	724	725	726	727	728	Noah	730	731	732	733	734
194	195	196	197	198	Shem	200	201	202	203	204	205	Shem	207	208	209	210	211	212	Shem	214	215	216	217	218	219	Shem	221	222	223	224	225	226	Shem	228	229	230	231	232
94	95	96	97	98	Arpachshad	101	102	103	104	105	Arpachshad	108	109	110	111	112	Arpachshad	115	116	117	118	119	Arpachshad	122	123	124	125	126	Arpachshad	129	130	131	132					

18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11	1+	2	3+	4	5	6+	7
322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	1	2	3	4	5	6	7
6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2

2805	BCE	2803	2802	2801	2800	2799	2798	BCE	2796	2795	2794	2793	2792	2791	BCE	2789	2788	2787	2786	2785	2784	BCE	2782	2781	2780	2779	2778	2777	BCE	2775	2774	2773	2772	2771	2770	BCE	2768	2767
1791	CR	1793	1794	1795	1796	1797	1798	CR	1800	1801	1802	1803	1804	1805	CR	1807	1808	1809	1810	1811	1812	CR	1814	1815	1816	1817	1818	1819	CR	1821	1822	1823	1824	1825	CR	1828	1829	

735	Noah	737	738	739	740	741	742	Noah	744	745	746	747	748	749	Noah	751	752	753	754	755	756	Noah	758	759	760	761	762	763	Noah	765	766	767	768	769	Noah	772	773	
233	Shem	235	236	237	238	239	240	Shem	242	243	244	245	246	247	Shem	249	250	251	252	253	254	Shem	256	257	258	259	260	261	Shem	263	264	265	266	267	268	Shem	270	271
Arpachshad	135	136	137	138	139	140	Arpachshad	143	144	145	146	147	Arpachshad	150	151	152	153	154	Arpachshad	157	158	159	160	161	Arpachshad	164	165	166	167	168	Arpachshad	171						

Shelah
Genesis 11:12-13 SP Arpachshad lived **135** years and fathered Shelah. After the fathered Shelah, Arpachshad lived **309** years and had sons and daughters.

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8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8
8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6

2766	2765	2764	2763	BCE	2761	2760	2759	2758	2757	2756	BCE	2754	2753	2752	2751	2750	2749	BCE	2747	2746	2745	2744	2743	2742	BCE	2740	2739	2738	2737	2736	2735	BCE	2733	2732	2731	2730	2729	2728
1830	1831	1832	1833	CR	1835	1836	1837	1838	1839	1840	CR	1842	1843	1844	1845	1846	1847	CR	1849	1850	1851	1852	1853	1854	CR	1856	1857	1858	1859	1860	1861	CR	1863	1864	1865	1866	1867	1868

774	775	776	777	Noah	779	780	781	782	783	784	Noah	786	787	788	789	790	791	Noah	793	794	795	796	797	798	Noah	800	801	802	803	804	805	Noah	807	808	809	810	811	812	
272	273	274	275	Shem	277	278	279	280	281	282	Shem	284	285	286	287	288	289	Shem	291	292	293	294	295	296	Shem	298	299	300	301	302	303	Shem	305	306	307	308	309	310	
172	173	174	175	Arpachshad	178	179	180	181	182	Arpachshad	185	186	187	188	189	Arpachshad	192	193	194	195	196	Arpachshad	199	200	201	202	203	Arpachshad	206	207	208	209	210	211	212	213	214	215	216
37	38	39	40	Shelah	42	43	44	45	46	47	Shelah	49	50	51	52	53	54	55	Shelah	56	57	58	59	60	61	Shelah	63	64	65	66	67	68	Shelah	70	71	72	73	74	75

9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+
47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85
7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3

BCE	2726	2725	2724	2723	2722	2721	BCE	2719	2718	2717	2716	2715	2714	BCE	2712	2711	2710	2709	2708	2707	BCE	2705	2704	2703	2702	2701	2700	BCE	2698	2697	2696	2695	2694	2693	BCE	2691	2690	2689
CR	1870	1871	1872	1873	1874	1875	CR	1877	1878	1879	1880	1881	1882	CR	1884	1885	1886	1887	1888	1889	CR	1891	1892	1893	1894	1895	1896	CR	1898	1899	1900	1901	1902	1903	CR	1905	1906	1907

Noah	814	815	816	817	818	819	Noah	821	822	823	824	825	826	Noah	828	829	830	831	832	833	Noah	835	836	837	838	839	840	Noah	842	843	844	845	846	847	Noah	849	850	851
Shem	312	313	314	315	316	317	Shem	319	320	321	322	323	324	Shem	326	327	328	329	330	331	Shem	333	334	335	336	337	338	Shem	340	341	342	343	344	345	Shem	347	348	349
Arpachshad	213	214	215	216	217	Arpachshad	220	221	222	223	224	Arpachshad	227	228	229	230	231	Arpachshad	233	234	235	236	237	238	Arpachshad	241	242	243	244	245	Arpachshad	248	249	250	251	252	253	
Shelah	77	78	79	80	81	82	Shelah	84	85	86	87	88	89	Shelah	91	92	93	94	95	96	Shelah	98	99	100	101	102	103	Shelah	105	106	107	108	109	110	Shelah	112	113	114

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+
242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280
6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2

2532	BCE	2530	2529	2528	2527	2526	2525	BCE	2523	2522	2521	2520	2519	2518	BCE	2516	2515	2514	2513	2512	2511	BCE	2509	2508	2507	2506	2505	2504	BCE	2502	2501	2500	2499	2498	2497	BCE	2495	2494
2064	CR	2066	2067	2068	2069	2070	2071	CR	2073	2074	2075	2076	2077	2078	CR	2080	2081	2082	2083	2084	2085	CR	2087	2088	2089	2090	2091	2092	CR	2094	2095	2096	2097	2098	2099	CR	2101	2102

506	Shem	508	509	510	511	512	513	Shem	515	516	517	518	519	520	Shem	522	523	524	525	526	527	Shem	529	530	531	532	533	534	Shem	536	537	538	539	540	541	Shem	543	544
406	Arpachshad	409	410	411	412	413	Arpachshad	416	417	418	419	420	Arpachshad	423	424	425	426	427	Arpachshad	430	431	432	433	434	Arpachshad	437	438	439	Shelah	301	302	303	304	305	306	Shelah	308	309
141	Heber	143	144	145	146	147	Heber	150	151	152	153	154	155	156	157	158	159	160	161	162	Heber	164	165	166	167	168	169	Heber	171	172	173	174	175	176	Heber	178	179	
7	Peleg	9	10	11	12	13	14	Peleg	16	17	18	19	20	21	Peleg	23	24	25	26	27	28	Peleg	30	31	32	33	34	35	Peleg	37	38	39	40	41	42	Peleg	44	45

Genesis 11:13-36 So all the days of Arpachshad were 438 years and he died.

15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15
281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319
3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6

2493	2492	2491	2490	BCE	2488	2487	2486	2485	2484	2483	BCE	2481	2480	2479	2478	2477	2476	BCE	2474	2473	2472	2471	2470	2469	BCE	2467	2466	2465	2464	2463	2462	BCE	2460	2459	2458	2457	2456	2455
2103	2104	2105	2106	CR	2108	2109	2110	2111	2112	2113	CR	2115	2116	2117	2118	2119	2120	CR	2122	2123	2124	2125	2126	2127	CR	2129	2130	2131	2132	2133	2134	CR	2136	2137	2138	2139	2140	2141

545	546	547	548	Shem	550	551	552	553	554	555	Shem	557	558	559	560	561	562	Shem	564	565	566	567	568	569	Shem	571	572	573	574	575	576	577	Shem	578	579	580	581	582	583
310	311	312	313	Shelah	315	316	317	318	319	320	Shelah	322	323	324	325	326	327	Shelah	329	330	331	332	333	334	Shelah	336	337	338	339	340	341	Shelah	343	344	345	346	347	348	
180	181	182	183	Heber	185	186	187	188	189	190	Heber	192	193	194	195	196	197	Heber	199	200	201	202	203	204	Heber	206	207	208	209	210	211	Heber	213	214	215	216	217	218	
46	47	48	49	Peleg	51	52	53	54	55	56	Peleg	58	59	60	61	62	63	Peleg	65	66	67	68	69	70	Peleg	72	73	74	75	76	77	Peleg	79	80	81	82	83	84	

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11	1+	2	3+	4	5
320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	1	2	3	4	5
7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3
BCE	2453	2452	2451	2450	2449	2448	BCE	2446	2445	2444	2443	2442	2441	BCE	2439	2438	2437	2436	2435	2434	BCE	2432	2431	2430	2429	2428	2427	BCE	2425	2424	2423	2422	2421	2420	BCE	2418	2417	2416
CR	2143	2144	2145	2146	2147	2148	CR	2150	2151	2152	2153	2154	2155	CR	2157	2158	2159	2160	2161	2162	CR	2164	2165	2166	2167	2168	2169	CR	2171	2172	2173	2174	2175	2176	CR	2178	2179	2180
Shem	585	586	587	588	589	590	Shem	592	593	594	595	596	597	Shem	599	600																						
Shelah	350	351	352	353	354	355	Shelah	357	358	359	360	361	362	Shelah	364	365	366	367	368	369	Shelah	371	372	373	374	375	376	Shelah	378	379	380	381	382	383	Shelah	385	386	387
Heber	220	221	222	223	224	225	Heber	227	228	229	230	231	232	Heber	234	235	236	237	238	239	Heber	241	242	243	244	245	246	Heber	248	249	250	251	252	253	Heber	255	256	257
Peleg	86	87	88	89	90	91	Peleg	93	94	95	96	97	98	Peleg	100	101	102	103	104	105	Peleg	107	108	109	110	111	112	Peleg	114	115	116	117	118	119	Peleg	121	122	123

Genesis 11:11 SP So all the days of Shem were 600 years, and he died.

6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+
4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
2415	2414	2413	BCE	2411	2410	2409	2408	2407	2406	BCE	2404	2403	2402	2401	2400	2399	BCE	2397	2396	2395	2394	2393	2392	BCE	2390	2389	2388	2387	2386	2385	BCE	2383	2382	2381	2380	2379	BCE	2378
2181	2182	2183	CR	2185	2186	2187	2188	2189	2190	CR	2192	2193	2194	2195	2196	2197	CR	2199	2200	2201	2202	2203	2204	CR	2206	2207	2208	2209	2210	2211	CR	2213	2214	2215	2216	2217	2218	CR
388	389	390	Shelah	392	393	394	395	396	397	Shelah	399	400	401	402	403	404	Shelah	406	407	408	409	410	411	Shelah	413	414	415	416	417	418	Shelah	420	421	422	423	424	425	Shelah
258	259	260	Heber	262	263	264	265	266	267	Heber	269	270	271	272	273	274	Heber	276	277	278	279	280	281	Heber	283	284	285	286	287	288	Heber	290	291	292	293	294	295	Heber
124	125	126	Peleg	128	129	130	131	132	133	Peleg	135	136	137	138	139	140	Peleg	142	143	144	145	146	147	Peleg	149	150	151	152	153	154	Peleg	156	157	158	159	160	161	Peleg
			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
			Reu																																			

Genesis 11:18-19 SP Peleg lived 130 years and fathered Reu. After he fathered Reu, Peleg lived 109 years and had sons and daughters.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7
45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4

2376	2375	2374	2373	2372	2371	BCE	2369	2368	2367	2366	2365	2364	BCE	2362	2361	2360	2359	2358	2357	BCE	2355	2354	2353	2352	2351	2350	BCE	2348	2347	2346	2345	2344	BCE	2341	2340	2339	2338	
2220	2221	2222	2223	2224	2225	CR	2227	2228	2229	2230	2231	2232	CR	2234	2235	2236	2237	2238	2239	CR	2241	2242	2243	2244	2245	2246	CR	2248	2249	2250	2251	2252	2253	CR	2255	2256	2257	2258

427 428 429 430 431 Shelah **433**

297	298	299	300	301	302	Heber	304	305	306	307	308	309	Heber	311	312	313	314	315	316	Heber	318	319	320	321	322	323	Heber	325	326	327	328	329	330	Heber	332	333	334	335
163	164	165	166	167	168	Peleg	170	171	172	173	174	175	Peleg	177	178	179	180	181	182	Peleg	184	185	186	187	188	189	Peleg	191	192	193	194	195	196	Peleg	198	199	200	201
33	34	35	36	37	38	Reu	40	41	42	43	44	45	Reu	47	48	49	50	51	52	Reu	54	55	56	57	58	59	Reu	61	62	63	64	65	66	Reu	68	69	70	71

Genesis 11:15 SP So all the days of Shelah were **433** years and he died.

8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8
84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122
5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1

2337	2336	BCE	2334	2333	2332	2331	2330	2329	BCE	2327	2326	2325	2324	2323	2322	BCE	2320	2319	2318	2317	2316	2315	BCE	2313	2312	2311	2310	2309	2308	BCE	2306	2305	2304	2303	2302	BCE	2299
2259	2260	CR	2262	2263	2264	2265	2266	2267	CR	2269	2270	2271	2272	2273	2274	CR	2276	2277	2278	2279	2280	2281	CR	2283	2284	2285	2286	2287	2288	CR	2290	2291	2292	2293	2294	CR	2297

336	337	Heber	339	340	341	342	343	344	Heber	346	347	348	349	350	351	Heber	353	354	355	356	357	358	Heber	360	361	362	363	364	365	Heber	367	368	369	370	371	372	Heber	374	
202	203	Peleg	205	206	207	208	209	210	Peleg	212	213	214	215	216	217	Peleg	219	220	221	222	223	224	Peleg	226	227	228	229	230	231	Peleg	233	234	235	236	237	Peleg	239	Reu	110
72	73	Reu	75	76	77	78	79	80	Reu	82	83	84	85	86	87	Reu	89	90	91	92	93	94	Reu	96	97	98	99	100	101	Reu	103	104	105	106	107	108	Reu	110	

Genesis 11:19 SP So all the days of Peleg were **239** years and he died.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+
23	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161
2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5

2298	2297	2296	2295	2294	BCE	2292	2291	2290	2289	2288	2287	BCE	2285	2284	2283	2282	2281	2280	BCE	2278	2277	2276	2275	2274	2273	BCE	2271	2270	2269	2268	2267	2266	BCE	2264	2263	2262	2261	2260
2298	2299	2300	2301	2302	CR	2304	2305	2306	2307	2308	2309	CR	2311	2312	2313	2314	2315	2316	CR	2318	2319	2320	2321	2322	2323	CR	2325	2326	2327	2328	2329	2330	CR	2332	2333	2334	2335	2336

375	376	377	378	379	Heber	381	382	383	384	385	386	Heber	388	388	389	390	391	392	393	Heber	395	396	397	398	399	400	Heber	402	403	404										
111	112	113	114	115	Reu	117	118	119	120	121	122	Reu	124	124	125	126	127	128	129	Reu	131	132	133	134	135	136	Reu	138	139	140	141	142	143	Reu	145	146	147	148	149	

Genesis 11:17 SP So all the days of Heber were 404 years and he died.

Genesis 11:20-21 SP Reu lived 132 years and fathered Serug. After he fathered Serug, Reu lived 107 years and had sons and daughters.

10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10
162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2

2259	BCE	2257	2256	2255	2254	2253	2252	BCE	2250	2249	2248	2247	2246	2245	BCE	2243	2242	2241	2240	2239	2238	BCE	2236	2235	2234	2233	2232	2231	BCE	2229	2228	2227	2226	2225	2224	BCE	2222	2221
2337	CR	2339	2340	2341	2342	2343	2344	CR	2346	2347	2348	2349	2350	2351	CR	2353	2354	2355	2356	2357	2358	CR	2360	2361	2362	2363	2364	2365	CR	2367	2368	2369	2370	2371	2372	CR	2374	2375

160	Reu	152	153	154	155	156	157	Reu	159	160	161	162	163	164	Reu	166	167	168	169	170	171	Reu	173	174	175	176	177	178	Reu	180	181	182	183	184	185	Reu	187	188	
18	Serug	20	21	22	23	24	25	Serug	27	28	29	30	31	32	Serug	34	35	36	37	38	39	Serug	41	42	43	44	45	46	Serug	48	49	50	51	52	53	Serug	55	56	

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+																			
201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239
3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6

2220	2219	2218	2217	BCE	2215	2214	2213	2212	2211	2210	BCE	2208	2207	2206	2205	2204	2203	BCE	2201	2200	2199	2198	2197	2196	BCE	2194	2193	2192	2191	2190	2189	BCE	2187	2186	2185	2184	2183	2182
2376	2377	2378	2379	CR	2381	2382	2383	2384	2385	2386	CR	2388	2389	2390	2391	2392	2393	CR	2395	2396	2397	2398	2399	2400	CR	2402	2403	2404	2405	2406	2407	CR	2409	2410	2411	2412	2413	2414

189	190	191	192	Reu	194	195	196	197	198	199	Reu	201	202	203	204	205	206	Reu	208	209	210	211	212	213	Reu	215	216	217	218	219	220	Reu	222	223	224	225	226	227
57	58	59	60	Serug	62	63	64	65	66	67	Serug	69	70	71	72	73	74	Serug	76	77	78	79	80	81	Serug	83	84	85	86	87	88	Serug	90	91	92	93	94	95

12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12
240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278
7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3

BCE	2180	2179	2178	2177	2176	2175	BCE	2173	2172	2171	2170	2169	2168	BCE	2166	2165	2164	2163	2162	2161	BCE	2159	2158	2157	2156	2155	2154	BCE	2152	2151	2150	2149	2148	2147	BCE	2145	2144	2143
CR	2416	2417	2418	2419	2420	2421	CR	2423	2424	2425	2426	2427	2428	CR	2430	2431	2432	2433	2434	2435	CR	2437	2438	2439	2440	2441	2442	CR	2444	2445	2446	2447	2448	2449	CR	2451	2452	2453

Reu	229	230	231	232	233	234	Reu	236	237	238	239	Serug	104	105	106	107	108	109	Serug	111	112	113	114	115	116	Serug	118	119	120	121	122	123	Serug	125	126	127	128	129	130	Serug	132	133	134
Serug	97	98	99	100	101	102	Serug	104	105	106	107	108	109	Serug	111	112	113	114	115	116	117	118	119	120	121	122	123	Serug	125	126	127	128	129	130	Serug	132	133	134					

Genesis 11:21 SP So all the days of Reu were **239** years and he died.

Genesis 11:22-23 SP Serug lived **130** years and fathered Nahor. After he fathered Nahor, Serug lived **100** years and had sons and daughters.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13																			
279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317
4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
2142	2141	2140	BCE	2138	2137	2136	2135	2134	2133	BCE	2131	2130	2129	2128	2127	2126	BCE	2124	2123	2122	2121	2120	2119	BCE	2117	2116	2115	2114	2113	2112	2111	2110	2109	2108	2107	2106	2105	BCE
2454	2455	2456	CR	2458	2459	2460	2461	2462	2463	CR	2465	2466	2467	2468	2469	2470	CR	2472	2473	2474	2475	2476	2477	CR	2479	2480	2481	2482	2483	2484	CR	2486	2487	2488	2489	2490	2491	CR
135	136	137	Serug	139	140	141	142	143	144	Serug	146	147	148	149	150	151	Serug	153	154	155	156	157	158	Serug	160	161	162	163	164	165	Serug	167	168	169	170	171	172	Serug
5	6	7	Nahor	9	10	11	12	13	14	Nahor	16	17	18	19	20	21	Nahor	23	24	25	26	27	28	Nahor	30	31	32	33	34	35	Nahor	37	38	39	40	41	42	Nahor

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11	1+	2	3+																			
318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	1	2	3
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4

2103	2102	2101	2100	2099	2098	BCE	2096	2095	2094	2093	2092	2091	BCE	2089	2088	2087	2086	2085	2084	BCE	2082	2081	2080	2079	2078	2077	BCE	2075	2074	2073	2072	2071	2070	BCE	2068	2067	2066	2065
2493	2494	2495	2496	2497	2498	CR	2500	2501	2502	2503	2504	2505	CR	2507	2508	2509	2510	2511	2512	CR	2514	2515	2516	2517	2518	2519	CR	2521	2522	2523	2524	2525	2526	CR	2528	2529	2530	2531

174	175	176	177	178	179	Serug	181	182	183	184	185	186	Serug	188	189	190	191	192	193	Serug	195	196	197	198	199	200	Serug	202	203	204	205	206	207	Serug	209	210	211	212				
44	45	46	47	48	49	Nahor	51	52	53	54	55	56	Nahor	58	59	60	61	62	63	Nahor	65	66	67	68	69	70	Nahor	72	73	74	75	76	77	Nahor	79	80	81	82				
																												Terah			0			1			2			3		

Genesis 11:24-25 SP Nahor lived 79 years and fathered Terah. After he fathered Terah, Nahor lived 89 years and had sons and daughters.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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Genesis 11:25 SP So all the days of Nahor were 148 years and he died.

Genesis 11:26 SP Terah lived 70 years and fathered Abram, Nahor, and Haran.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+
82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2

1986	BCE	1984	1983	1982	1981	1980	1979	BCE	1977	1976	1975	1974	1973	1972	BCE	1970	1969	1968	1967	1966	1965	BCE	1963	1962	1961	1960	1959	1958	BCE	1956	1955	1954	1953	1952	1951	BCE	1949	1948
2610	CR	2612	2613	2614	2615	2616	2617	CR	2619	2620	2621	2622	2623	2624	CR	2626	2627	2628	2629	2630	2631	CR	2633	2634	2635	2636	2637	2638	CR	2640	2641	2642	2643	2644	2645	CR	2647	2648

82	Terah	84	85	86	87	88	89	Terah	91	92	93	94	95	96	Terah	98	99	100	101	102	103	Terah	105	106	107	108	109	110	Terah	112	113	114	115	116	117	Terah	119	120
12	Abram	14	15	16	17	18	19	Abram	21	22	23	24	25	26	Abram	28	29	30	31	32	33	Abram	35	36	37	38	39	40	Abram	42	43	44	45	46	47	Abram	49	50

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7
1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909
2649	2650	2651	2652	CR	2654	2655	2656	2657	2658	2659	CR	2661	2662	2663	2664	2665	2666	CR	2668	2669	2670	2671	2672	2673	CR	2675	2676	2677	2678	2679	2680	CR	2682	2683	2684	2685	2686	2687

Abram Leaves Haran
430 Year Sojourn Begins

1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
2649	2650	2651	2652	CR	2654	2655	2656	2657	2658	2659	CR	2661	2662	2663	2664	2665	2666	CR	2668	2669	2670	2671	2672	2673	CR	2675	2676	2677	2678	2679	2680	CR	2682	2683	2684	2685	2686	2687																							

1 Sojourn

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Sojourn														

121	122	123	124	Terah	126	127	128	129	130	131	Terah	133	134	135	136	137	138	Terah	140	141	142	143	144	145	Abram	77	78	79	80	81	82	Abram	84	85	86	87	88	89
51	52	53	54	Abram	56	57	58	59	60	61	Abram	63	64	65	66	67	68	Abram	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89

Genesis 11:32 9P So all the days of Terah were 145 years. Terah died in Haran.

Genesis 12:1-4 Now my said to Abram: "Go from your land, from your homeland, and from your father's house, to the land I will show you. I will make you a great nation; I will bless you and make your name great, and you shall be a blessing. I will bless those who bless you, and I will curse him who curses you; and in you all the families of the earth shall be blessed." So Abram went as mm laid said to him, and Lot went with him. Abram was 75 years old when he left Haran.

Galatians 3:16-17 Now to Abraham and his Seed were the promises made. He does not say, "And to seeds," as of many, but as of one, "And to your Seed," who is Messiah. And this I say, that the *hara*, which was 430 years later, cannot annul the covenant that was confirmed before by *Elohim* in Messiah, that it should make the promise of no effect.

Genesis 16:16 Abram was 86 years old when Hagar bore Ishmael to him.

Ishmael

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10
238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4

1830	1829	1828	1827	1826	1825	BCE	1823	1822	1821	1820	1819	1818	1818	BCE	1816	1815	1814	1813	1812	1811	BCE	1809	1808	1807	1806	1805	1804	BCE	1802	1801	1800	1799	1798	1797	BCE	1795	1794	1793	1792
2766	2767	2768	2769	2770	2771	CR	2773	2774	2775	2776	2777	2778	CR	2780	2781	2782	2783	2784	2785	CR	2787	2788	2789	2790	2791	2792	CR	2794	2795	2796	2797	2798	2799	CR	2801	2802	2803	2804	

94	95	96	97	98	99	Sojourn	101	102	103	104	105	106	Sojourn	108	109	110	111	112	113	Sojourn	115	116	117	118	119	120	Sojourn	122	123	124	125	126	127	Sojourn	129	130	131	132
64	65	66	67	68	69	Oppression	72	73	74	75	76	Oppression	79	80	81	82	83	Oppression	86	87	88	89	90	Oppression	93	94	95	96	97	Oppression	100	101	102					

168	169	170	171	172	Abraham	175	80	91	62	63	64	Ismael	96	67	68	69	100	101	Ismael	103	104	105	106	107	108	Ismael	110	111	112	113	114	115	Ismael	117	118	119	120	
82	83	84	85	86	87	Isaac	75	76	77	78	79	80	Isaac	82	83	84	85	86	87	88	89	90	91	92	93	94	Isaac	96	97	98	99	100	101	Isaac	103	104	105	106
8	9	10	11	12	13	Jacob	15	16	17	18	19	20	Jacob	22	23	24	25	26	27	Jacob	29	30	31	32	33	34	Jacob	36	37	38	39	40	41	Jacob	43	44	45	46

Genesis 25:7 These are the years of Abraham's life which he lived, **175** years.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+																			
277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315
5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1

1791	1790	BCE	1788	1787	1786	1785	1784	1783	BCE	1781	1780	1779	1778	1777	1776	BCE	1774	1773	1772	1771	1770	1769	BCE	1767	1766	1765	1764	1763	1762	BCE	1760	1759	1758	1757	1756	1755	BCE	1753
2905	2906	CR	2808	2809	2810	2811	2812	2813	CR	2815	2816	2817	2818	2819	2820	CR	2822	2823	2824	2825	2826	2827	CR	2829	2830	2831	2832	2833	2834	CR	2836	2837	2838	2839	2840	2841	CR	2843
133	134	Sojourn	136	137	138	139	140	141	Sojourn	143	144	145	146	147	148	Sojourn	150	151	152	153	154	155	Sojourn	157	158	159	160	161	162	Sojourn	164	165	166	167	168	169	Sojourn	171
103	104	Oppression	107	108	109	110	111	Oppression	114	115	116	117	118	Oppression	121	122	123	124	125	Oppression	128	129	130	131	132	Oppression	135	136	137	138	139	Oppression	143	144	145	Oppression	148	

Reuben 1
Simeon

121	122	Ishmael	124	125	126	127	128	129	Ishmael	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145															
107	108	Isaac	110	111	112	113	114	115	Isaac	117	118	119	120	121	122	Isaac	124	125	126	127	128	129	Isaac	131	132	133	134	135	136	Isaac	138	139	140	141	142	143	Isaac	145	
47	48	Jacob	50	51	52	53	54	55	Jacob	57	58	59	60	61	62	Jacob	64	65	66	67	68	69	Jacob	71	72	73	74	75	76	Jacob	78	79	80	81	82	83	Jacob	85	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

Genesis 25:17 These are the years of Ishmael's life. 137 years, and he breathed his last and died, and was gathered to his people.

Genesis 29:20-28 ...So Jacob worked 7 years for Rachel...and he was Leah! ...and he completed her week...

Jacob works for Leah

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11	1+
316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	1
2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5

"Jacob" to "Israel"

1752	1751	1750	1749	1748	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	
2844	2845	2846	2847	2848	CR	2850	2851	2852	2853	2854	2855	CR	2857	2858	2859	2860	2861	2862	CR	2864	2865	2866	2867	2868	2869	CR	2871	2872	2873	2874	2875	2876	CR	2878	2879	2880	2881	2882

172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210
142	143	144	145	146	Oppression	149	150	151	152	153	Oppression	156	157	158	159	160	Oppression	163	164	165	166	167	Oppression	170	171	172	173	174	Oppression	177	178	179	180	181	182	183	184	

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Dan	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Levi	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Nafthali	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Judah	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Gad	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Issachar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Asher	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Zebulun	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Joseph	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Benjamin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38

146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184
86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

Jacob works for Rachel
 Genesis 28-30 Now he (Jacob) loved Rachel more than Leah and worked for him (Laban) another 7 years...

Genesis 35:10 And Elohim said to him, "Your name is Jacob; You shall no longer be called Jacob, but Israel shall be your name."

Genesis 35:28 Now the days of Isaac were 180 years.

Genesis 41:25-30 Joseph was 30 years old when he stood before Pharaoh...

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2

1713	RCE	1711	1710	1709	1708	1707	1706	RCE	1704	1703	1702	1701	1700	1698	RCE	1692	1691	1690	1689	1688	1687	1686	1685	RCE	1683	1682	1681	1680	1679	1678	RCE	1676	1675
2883	CR	2885	2886	2887	2888	2889	2890	CR	2892	2893	2894	2895	2896	2897	CR	2899	2900	2901	2902	2903	2904	CR	2913	2914	2915	2916	2917	2918	RCE	2920	2921		

211	Sojourn	213	214	215	216	217	218	Sojourn	220	221	222	223	224	225	Sojourn	227	228	229	230	231	232	Sojourn	234	235	236	237	238	239	Sojourn	241	242	243	244	245	246	Sojourn	248	249	
181	Oppression	184	185	186	187	188	Oppression	191	192	193	194	195	Oppression	198	199	200	201	202	Oppression	205	206	207	208	209	Oppression	212	213	214	215	216	Oppression	219							
41	Reuben	43	44	45	46	47	48	Reuben	50	51	52	53	54	55	Reuben	57	58	59	60	61	62	Reuben	64	65	66	67	68	69	Reuben	71	72	73	74	75	76	Reuben	78	79	
40	Simeon	42	43	44	45	46	47	Simeon	49	50	51	52	53	54	Simeon	56	57	58	59	60	61	Simeon	63	64	65	66	67	68	Simeon	70	71	72	73	74	75	Simeon	77	78	
39	Dan	41	42	43	44	45	46	Dan	48	49	50	51	52	53	Dan	55	56	57	58	59	60	Dan	62	63	64	65	66	67	Dan	69	70	71	72	73	74	Dan	76	77	
38	Levi	40	41	42	43	44	45	Levi	47	48	49	50	51	52	Levi	54	55	56	57	58	59	60	Levi	62	63	64	65	66	67	Levi	69	70	71	72	73	74	Levi	76	77
38	Naftali	40	41	42	43	44	45	Naftali	47	48	49	50	51	52	Naftali	54	55	56	57	58	59	60	Naftali	62	63	64	65	66	Naftali	68	69	70	71	72	73	Naftali	75	76	
38	Judah	40	41	42	43	44	45	Judah	47	48	49	50	51	52	Judah	54	55	56	57	58	59	60	Judah	62	63	64	65	66	Judah	68	69	70	71	72	73	Judah	75	76	
37	Gad	39	40	41	42	43	44	Gad	46	47	48	49	50	51	Gad	53	54	55	56	57	58	Gad	60	61	62	63	64	Gad	67	68	69	70	71	72	Gad	74	75		
36	Issachar	38	39	40	41	42	43	Issachar	45	46	47	48	49	50	Issachar	52	53	54	55	56	57	Issachar	59	60	61	62	63	Issachar	66	67	68	69	70	71	Issachar	73	74		
36	Asher	38	39	40	41	42	43	Asher	45	46	47	48	49	50	Asher	52	53	54	55	56	57	Asher	59	60	61	62	63	Asher	66	67	68	69	70	71	Asher	73	74		
35	Zebulun	37	38	39	40	41	42	Zebulun	44	45	46	47	48	49	Zebulun	51	52	53	54	55	56	Zebulun	58	59	60	61	62	Zebulun	65	66	67	68	69	70	Zebulun	72	73		
34	Joseph	36	37	38	39	40	41	Joseph	43	44	45	46	47	48	Joseph	50	51	52	53	54	55	Joseph	57	58	59	60	61	Joseph	64	65	66	67	68	69	Joseph	71	72		
25	Benjamin	28	29	30	31	32	Benjamin	35	36	37	38	39	Benjamin	42	43	44	45	46	Benjamin	49	50	51	52	53	Benjamin	56	57	Benjamin	59	60	Benjamin	63							

125	Israel	127	128	129	130	131	132	Israel	134	135	136	137	138	139	Israel	141	142	143	144	145	Israel	147		
4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7

Genesis 45:6, 47:9, 28 "...for these 2 years the famine has been in the midst of the land..." And Pharaoh said to Jacob, "How many are the years of your life?" And Jacob said to Pharaoh, "The days of the years of my sojourn are 130 years."

Genesis 47:28 Jacob lived in the land of Egypt 17 years. And the days of Jacob, the years of his life, were 147 years.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6

1674	1673	1672	1671	BCE	1669	1668	1667	1666	1665	1664	BCE	1662	1661	1660	1659	1658	1657	BCE	1655	1654	1653	1652	1651	1650	BCE	1648	1647	1646	1645	1644	1643	BCE	1641	1640	1639	1637	1636	
2922	2923	2924	2925	CR	2927	2928	2929	2930	2931	2932	CR	2934	2935	2936	2937	2938	2939	CR	2941	2942	2943	2944	2945	2946	CR	2948	2949	2950	2951	2952	2953	CR	2955	2956	2957	2958	2959	2960

250	251	252	253	Sojourn	255	256	257	258	259	260	Sojourn	262	263	264	265	266	267	Sojourn	269	270	271	272	273	274	Sojourn	276	277	278	279	280	281	Sojourn	283	284	285	286	287	288	
220	221	222	223	Oppression	226	227	228	229	230	Oppression	233	234	235	236	237	Oppression	240	241	242	243	244	Oppression	247	248	249	250	251	Oppression	254	255	256	257	258	259	260	261	262	263	264
34	35	36	37	In Egypt	39	40	41	42	43	44	In Egypt	46	47	48	49	50	51	In Egypt	53	54	55	56	57	58	In Egypt	60	61	62	63	64	65	In Egypt	67	68	69	70	71	72	

80	81	82	83	Reuben	85	86	87	88	89	90	Reuben	92	93	94	95	96	97	Reuben	99	100	101	102	103	104	Reuben	106	107	108	109	110	111	Reuben	113	114	115	116	117	118						
79	80	81	82	Simeon	84	85	86	87	88	89	Simeon	91	92	93	94	95	96	Simeon	98	99	100	101	102	103	Simeon	105	106	107	108	109	110	Simeon	112	113	114	115	116	117						
78	79	80	81	Dan	83	84	85	86	87	88	Dan	90	91	92	93	94	95	Dan	97	98	99	100	101	102	Dan	104	105	106	107	108	109	Dan	111	112	113	114	115	116						
77	78	79	80	Levi	82	83	84	85	86	87	Levi	89	90	91	92	93	94	Levi	96	97	98	99	100	101	Levi	103	104	105	106	107	108	Levi	111	112	113	114	115	116						
76	77	78	79	Naftali	81	82	83	84	85	86	Naftali	87	88	89	90	91	92	Naftali	94	95	96	97	98	99	Naftali	101	102	103	104	105	106	Naftali	110	111	112	113	114	115						
75	76	77	78	Judah	80	81	82	83	84	85	Judah	87	88	89	90	91	92	Judah	93	94	95	96	97	98	Judah	100	101	102	103	104	105	Judah	109	110	111	112	113	114	115					
74	75	76	77	Gad	79	80	81	82	83	84	Gad	86	87	88	89	90	91	Gad	92	93	94	95	96	97	Gad	100	101	102	103	104	105	Gad	109	110	111	112	113	114						
73	74	75	76	Issachar	78	79	80	81	82	83	Issachar	85	86	87	88	89	90	Issachar	91	92	93	94	95	96	Issachar	99	100	101	102	103	104	105	Issachar	108	109	110	111	112	113					
72	73	74	75	Asher	77	78	79	80	81	82	Asher	84	85	86	87	88	89	Asher	90	91	92	93	94	95	Asher	98	99	100	101	102	103	104	105	Asher	108	109	110	111	112	113				
71	72	73	74	Zebulun	76	77	78	79	80	81	Zebulun	83	84	85	86	87	88	Zebulun	89	90	91	92	93	94	Zebulun	97	98	99	100	101	102	103	104	105	Zebulun	107	108	109	110	111	112			
70	71	72	73	Joseph	75	76	77	78	79	80	Joseph	82	83	84	85	86	87	Joseph	89	90	91	92	93	94	Joseph	96	97	98	99	100	101	102	103	104	105	Joseph	106	107	108	109	110	111		
69	70	71	72	Benjamin	74	75	76	77	78	79	Benjamin	81	82	83	84	85	86	Benjamin	87	88	89	90	91	92	Benjamin	95	96	97	98	99	100	101	102	103	104	105	Benjamin	106	107	108	109	110	111	
68	69	70	71	Benjamin	73	74	75	76	77	78	Benjamin	80	81	82	83	84	85	Benjamin	86	87	88	89	90	91	Benjamin	94	95	96	97	98	99	100	101	102	103	104	105	Benjamin	106	107	108	109	110	111

Genesis 50:26 Joseph died, 110 years old...

Jashar 59:25 It came to pass after this that Joseph died in that year, the 71st year of Israel's descent into Egypt.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4																				
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	
7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	
																				1	Ahmoese	3	4	5	6	7	8	Ahmoese	10	11	12	13	14	15	Ahmoese	17	18	19	
																				Ahmoese										Exodus 16, 8 Joseph died, and all his brothers and all that generation... Now there arose a new king over Egypt, who did not know Joseph...									
																				Amehoteep I																			

BCE	1634	1633	1632	1631	1630	1629	BCE	1627	1626	1625	1624	1623	1622	BCE	1620	1619	1618	1617	1616	1615	BCE	1613	1612	1611	1610	1609	1608	BCE	1606	1605	1604	1603	1602	1601	BCE	1599	1598	1597	
CR	2962	2963	2964	2965	2966	2967	CR	2969	2970	2971	2972	2973	2974	CR	2976	2977	2978	2979	2980	2981	CR	2983	2984	2985	2986	2987	2988	CR	2990	2991	2992	2993	2994	2995	CR	2997	2998	2999	
Sojourn	290	291	292	293	294	295	Sojourn	297	298	299	300	301	302	Sojourn	304	305	306	307	308	309	Sojourn	311	312	313	314	315	316	Sojourn	318	319	320	321	322	323	Sojourn	325	326	327	
Oppression	261	262	263	264	265	Oppression	268	269	270	271	272	Oppression	275	276	277	278	279	Oppression	282	283	284	285	286	Oppression	289	290	291	292	293	Oppression	296	297	298	299	300	301	302	303	304
In Egypt	74	75	76	77	In Egypt	79	80	81	82	83	84	85	86	87	In Egypt	89	90	91	92	93	In Egypt	95	96	97	98	99	100	In Egypt	102	103	104	105	106	107	In Egypt	109	110	111	

Reuben	120	121	122	123	124	125	
Simeon	119	120	121	122	Dan	124	
Dan	118	119	120	121	122	Levi	124
Levi	118	119	120	121	122	Nafthali	124
Nafthali	117	118	119	120	121	Judah	124
Judah	117	118	119	120	121	Gad	123
Gad	116	117	118	119	120	Issachar	122
Issachar	115	116	117	118	119	Asher	122
Asher	115	116	117	118	119	Zebulun	124

Jashar 62:23-25 At that time Judah son of Jacob died in Egypt, in the 86th year of Israel's descent into Egypt. Judah was 129 years old at his death. And in the 87th year his brother Benjamin died, 117 years old at his death. In the 89th year Naphtali died, 132 years old.

Jashar 63:1 And in the 93rd year Levi the son of Jacob died in Egypt. Levi was 137 years old at his death.

Jashar 61:3-4 And Zebulun son of Jacob died in that year, the 74th year of Israel's descent into Egypt. And Zebulun died 114 years old. And in the 75th year Simeon his brother died, 120 years old at his death.

Jashar 62:1-2 In that year, the 79th year of Israel's descent into Egypt, Reuben the son of Jacob died. Reuben was 125 years old at his death. In the 80th year his brother Dan died. He was 124 years old at his death.

Jashar 62:3-5 In the 81st year Issachar son of Jacob died in Egypt. Issachar was 122 years old at his death. In the 82nd year his brother Asher died, 123 years old at his death. In the 83rd year Gad died. He was 125 years old.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7
197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235
5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1

39	40	Thutmose III	43	44	45	46	47	Thutmose III	50	51	52	53	54	Amenhotep II	1	2	3	4	5	6	7	8	9	Amenhotep II	12	13	14	15	16	Amenhotep II	19	20	21	22	23	Amenhotep II		
1518	1517	BCE	1515	1514	1513	1512	1511	1510	BCE	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	BCE	1494	1493	1492	1491	1490	1489	BCE	1487	1486	1485	1484	1483	1482	BCE	1480
3078	3079	CR	3081	3082	3083	3084	3085	3086	CR	3088	3089	3090	3091	3092	3093	CR	3095	3096	3097	3098	3099	3100	CR	3102	3103	3104	3105	3106	3107	CR	3109	3110	3111	3112	3113	3114	CR	3116

406	407	Sojourn	409	410	411	412	413	414	Sojourn	416	417	418	419	420	421	Sojourn	423	424	425	426	427	428	Sojourn	430	Years of the Exodus	1	2	3	4	5	Exodus	7	8	9	10	11	12	Exodus	14																
376	377	Oppression	380	381	382	383	384	Oppression	387	388	389	390	391	Oppression	394	395	396	397	Oppression	400	401	402	403	404	205	In Egypt	207	208	209	210	211	212	In Egypt	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235

Exodus 12:40-41 SP Now the sojourn of the sons of Israel and their fathers who sojourned in the land of Canaan and the land of Egypt was **430** years. And it came to pass **at the end of 430** years -- **on the very day** -- it came to pass that all the armies of **m̄n̄** went out from the land of Egypt.

Numbers 33:3 They departed from Raames in the **1st** month, on the **15th** day of the **1st** month, on the **day after the Passover** (p̄p̄p̄p̄p̄p̄) the sons of Israel went out with boldness in the sight of all the Egyptians.

Exodus 7:7 Moses was **80** years old and Aaron **83**, when they spoke to Pharaoh.

8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8
236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274
2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5

26	27	28	Amenhotep II	31	Thutmose IV	1	2	3	4	5	6	Thutmose IV	9	10	Amenhotep III	1	2	3	Amenhotep III	6	7	8	9	10	Amenhotep III	13	14	15	16	17	Amenhotep III	20	21	22	23			
1479	1478	1477	BCE	1475	1474	1473	1472	1471	1470	1469	1468	BCE	1466	1465	1464	1463	1462	1461	BCE	1459	1458	1457	1456	1455	BCE	1453	1452	1451	1450	1449	1448	BCE	1445	1444	1443	1442	1441	
3117	3118	3119	3120	3121	CR	3123	3124	3125	3126	3127	3128	CR	3130	3131	3132	3133	3134	3135	CR	3137	3138	3139	3140	3141	CR	3143	3144	3145	3146	3147	3148	3149	CR	3151	3152	3153	3154	3155

Joshua 5:10-11 Now the sons of Israel camped in Gilgal, and kept the Passover on the **14th** day of the month at twilight on the plains of Jericho. And they ate of the produce of the land on the **day after the Passover**, (p̄p̄p̄p̄p̄p̄) unleavened bread and parched grain, **on the very day**.

Leviticus 25:2 ff Speak to the sons of Israel and say to them, "When you come into the land which I am giving you, the land is to have a Sabbath to m̄n̄..."

95	96	97	98	99	Moses	101	102	103	104	105	106	Moses	108	109	110	111	112	113	Moses	115	116	117	118	Moses	120	Deuteronomy 34:7	Moses was 120 years old at his death.
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Times and Appointed Times

MT Genesis 5 | SP Genesis 11

9+	10	11+	12	13	14+	15	16	17+	18	19	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	
275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313
6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44

24	Amenhotep III	27	28	29	30	31	Amenhotep III	34	35	36	37	38	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Akhenaten	17	18									
1440	BCE	1438	1437	1436	1435	1434	1433	BCE	1431	1430	1429	1428	1427	1426	BCE	1424	1423	1422	1421	1420	1419	BCE	1417	1416	1415	1414	1413	1412	BCE	1410	1409	1408	1407	1406	1405	BCE	1403	1402
3156	CR	3158	3159	3160	3161	3162	3163	CR	3165	3166	3167	3168	3170	CR	3172	3173	3174	3175	3176	3177	CR	3179	3180	3181	3182	3183	3184	CR	3186	3187	3188	3189	3190	3191	CR	3193	3194	
54	Exodus	56	57	58	59	60	61	Exodus	63	64	65	66	67	68	Exodus	70	71	72	73	74	75	Exodus	77	78	79	80	81	82	Exodus	84	85	86	87	88	89	Exodus	91	92

10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	
314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	
45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1401	1400	1399	1398	BCE	1386	1395	1394	1393	1392	1391	BCE	1389	1388	1387	1386	1385	1384	BCE	1382	1381	1380	1379	1378	1377	BCE	1375	1374	1373	1372	1371	1370	BCE	1368	1367	1366	1365	1364	1363	
3195	3196	3197	3198	CR	3200	3201	3202	3203	3204	3205	CR	3207	3208	3209	3210	3211	3212	CR	3214	3215	3216	3217	3218	3219	CR	3221	3222	3223	3224	3225	3226	CR	3228	3229	3230	3231	3232	3233	
93	94	95	96	Exodus	98	99	100	101	102	103	Exodus	105	106	107	108	109	110	Exodus	112	113	114	115	116	117	Exodus	119	120	121	122	123	124	Exodus	126	127	128	129	130	131	

11	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	
353	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
BCE	1361	1360	1359	1358	1357	1356	BCE	1354	1353	1352	1351	1350	1349	BCE	1347	1346	1345	1344	1343	BCE	1340	1339	1338	1337	1336	1335	BCE	1333	1332	1331	1330	1329	1328	BCE	1326	1325	1324		
CR	3235	3236	3237	3238	3239	3240	CR	3242	3243	3244	3245	3246	3247	CR	3249	3250	3251	3252	3254	CR	3256	3257	3258	3259	3260	3261	CR	3263	3264	3265	3266	3267	3268	CR	3270	3271	3272		
Exodus	133	134	135	136	137	138	Exodus	140	141	142	143	144	145	Exodus	147	148	149	150	151	152	Exodus	154	155	156	157	158	159	Exodus	161	162	163	164	165	166	Exodus	168	169	170	

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	
39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	2	3	4	5	6	7	8	9	10	11	12	13	14

1323	1322	1321	BCE	1319	1318	1317	1316	1315	1314	1314	BCE	1312	1311	1310	1309	1308	1307	BCE	1305	1304	1303	1302	1301	1300	BCE	1298	1297	1296	1295	1294	1293	BCE	1291	1290	1289	1288	1287	1286	BCE
3273	3274	3275	CR	3277	3278	3279	3280	3281	3282	CR	3284	3285	3286	3287	3288	3289	CR	3291	3292	3293	3294	3295	3296	CR	3298	3299	3300	3301	3302	3303	CR	3305	3306	3307	3308	3309	3310	CR	

171	172	173	Exodus	175	176	177	178	179	180	Exodus	182	183	184	185	186	187	Exodus	189	190	191	192	193	194	Exodus	196	197	198	199	200	201	Exodus	203	204	205	206	207	208	Exodus
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2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	
78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	2	3	4

1284	1283	1282	1281	1280	1279	BCE	1277	1276	1275	1274	1273	1272	BCE	1270	1269	1268	1267	1266	1265	BCE	1263	1262	1261	1260	1259	1258	BCE	1256	1255	1254	1253	1252	1251	BCE	1249	1248	1247	1246
3312	3313	3314	3315	3316	3317	CR	3319	3320	3321	3322	3323	3324	CR	3326	3327	3328	3329	3330	3331	CR	3333	3334	3335	3336	3337	3338	CR	3340	3341	3342	3343	3344	3345	CR	3347	3348	3349	3350

210	211	212	213	214	215	Exodus	217	218	219	220	221	222	Exodus	224	225	226	227	228	229	Exodus	231	232	233	234	235	236	Exodus	238	239	240	241	242	243	Exodus	245	246	247	248
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3	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+
117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155
5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43

1245	1244	BCE	1242	1241	1240	1239	1238	1237	BCE	1235	1234	1233	1232	1231	1230	BCE	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	BCE	1214	1213	1212	1211	1210	1209	BCE	1207
3351	3352	CR	3354	3355	3356	3357	3358	3359	CR	3361	3362	3363	3364	3365	3366	CR	3368	3369	3370	3371	3372	3373	CR	3375	3376	3377	3378	3379	3380	CR	3382	3383	3384	3385	3386	3387	CR	3389

249	250	Exodus	252	253	254	255	256	257	Exodus	259	260	261	262	263	264	Exodus	266	267	268	269	270	271	Exodus	273	274	275	276	277	278	Exodus	280	281	282	283	284	285	Exodus	287
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Times and Appointed Times

MT Genesis 5 | SP Genesis 11

4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	
156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	
44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
1206	1205	1204	1203	1202	BCE	1200	1199	1198	1197	1196	1195	BCE	1193	1192	1191	1190	1189	1188	BCE	1186	1185	1184	1183	1182	1181	BCE	1179	1178	1177	1176	1175	1174	BCE	1172	1171	1170	1169	1168	
3390	3391	3392	3393	3394	CR	3396	3397	3398	3399	3400	3401	CR	3403	3404	3405	3406	3407	3408	CR	3410	3411	3412	3413	3414	3415	CR	3417	3418	3419	3420	3421	3422	CR	3424	3425	3426	3427	3428	
288	289	290	291	292	Exodus	294	295	296	297	298	299	Exodus	301	302	303	304	305	306	Exodus	308	309	310	311	312	313	Exodus	315	316	317	318	319	320	Exodus	322	323	324	325	326	
5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	
195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	
34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1167	BCE	1165	1164	1163	1162	1161	1160	BCE	1158	1157	1156	1155	1154	1153	BCE	1151	1150	1149	1148	1147	1146	BCE	1144	1143	1142	1141	1140	1139	BCE	1137	1136	1135	1134	1133	1132	BCE	1130	1129	
3429	CR	3431	3432	3433	3434	3435	3436	CR	3438	3439	3440	3441	3442	3443	CR	3445	3446	3447	3448	3449	3450	CR	3452	3453	3454	3455	3456	3457	CR	3459	3460	3461	3462	3463	3464	CR	3466	3467	
327	Exodus	329	330	331	332	333	334	Exodus	336	337	338	339	340	341	Exodus	343	344	345	346	347	348	Exodus	350	351	352	353	354	355	Exodus	357	358	359	360	361	362	Exodus	364	365	
6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	
234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13
1128	1127	1126	1125	BCE	1123	1122	1121	1120	1119	1118	BCE	1116	1115	1114	1113	1112	1111	BCE	1109	1108	1107	1106	1105	1104	BCE	1102	1101	1100	1099	1098	1097	BCE	1095	1094	1093	1092	1091	1090	
3468	3469	3470	3471	CR	3473	3474	3475	3476	3477	3478	CR	3480	3481	3482	3483	3484	3485	CR	3487	3488	3489	3490	3491	3492	CR	3494	3495	3496	3497	3498	3499	CR	3501	3502	3503	3504	3505	3506	
366	367	368	369	Exodus	371	372	373	374	375	376	Exodus	378	379	380	381	382	383	Exodus	385	386	387	388	389	390	Exodus	392	393	394	395	396	397	Exodus	399	400	401	402	403	404	

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	
1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051		
273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3
Exodus 406		407	408	409	410	411	Exodus 413	414	415	416	417	418	Exodus 420	421	422	423	424	425	Exodus 427	428	429	430	431	432	Exodus 434	435	436	437	438	439	Exodus 441	442	443						
BCE	1088	1087	1086	1085	1084	1083	BCE	1081	1080	1079	1078	1077	1076	BCE	1074	1073	1072	1071	1070	1069	BCE	1067	1066	1065	1064	1063	1062	BCE	1060	1059	1058	1057	1056	1055	BCE	1053	1052	1051	
CR	3508	3509	3510	3511	3512	3513	CR	3515	3516	3517	3518	3519	3520	CR	3522	3523	3524	3525	3526	3527	CR	3529	3530	3531	3532	3533	3534	CR	3536	3537	3538	3539	3540	3541	CR	3543	3544	3545	

8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8				
312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350				
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42				
Exodus 446		448	449	450	451	452	453	Exodus 455	456	457	458	459	460	Exodus 462	463	464	465	466	467	468	469	470	471	472	473	474	Exodus 476	477	478	479	480					Solomon		Solomon's 4th Year				
BCE	1046	1045	1044	1043	1042	1041	BCE	1039	1038	1037	1036	1035	1034	BCE	1032	1031	1030	1029	1028	1027	BCE	1025	1024	1023	1022	1021	1020	BCE	1018	1017	1016	1015	1014	1013	BCE	1011	1010	1009				
CR	3546	3547	3548	CR	3550	3551	3552	3553	3554	3555	CR	3557	3558	3559	3560	3561	3562	CR	3564	3565	3566	3567	3568	3569	CR	3571	3572	3573	3574	3575	3576	CR	3578	3579	3580	3581	3582	3583	CR	3585	3586	3587
Exodus 446		448	449	450	451	452	453	Exodus 455	456	457	458	459	460	Exodus 462	463	464	465	466	467	468	469	470	471	472	473	474	Exodus 476	477	478	479	480					Solomon		Solomon's 4th Year				

1 Kings 6:1 It came to pass in the 480th year of the Exodus of the sons of Israel from the land of Egypt, in the 4th year of Solomon's reign over Israel, in the month of Ziv, which is the 2nd month, that he began to build the house of him.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

9+	10	11	11+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32																															
351	352	353	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

Iniquity of Israel
1 2 3 4 5

Divided Kingdom
977 976 975 974 973
3619 3620 3621 3622 3623

1011	1010	1009	1008	1007	1006	BCE	1004	1003	1002	1001	1000	999	BCE	997	996	995	994	993	992	BCE	990	989	988	987	986	985	BCE	983	982	981	980	979	BCE	976	975	974	973	
3585	3586	3587	3588	3589	3590	CR	3592	3593	3594	3595	3596	3597	CR	3599	3600	3601	3602	3603	3604	CR	3606	3607	3608	3609	3610	3611	CR	3613	3614	3615	3616	3617	CR	3619	3620	3621	3622	3623

Kings of Judah
1 2 3 4 5

Rehoboam
1 Kings 11:42 This is the time that Solomon reigned in Jerusalem over all Israel was 40 years.

Ezekiel 4:5 I have assigned you a number of days corresponding to the years of their iniquity, 390 days; thus you shall bear the iniquity of the house of Israel.

Kings of Israel
1 2 3 4 5

Jeroboam 1

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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6	7	Iniquity of Israel	10	11	12	13	14	Iniquity of Israel	17	18	19	20	21	Iniquity of Israel	24	25	26	27	28	Iniquity of Israel	31	32	33	34	35	Iniquity of Israel	38	39	40	41	42	Iniquity of Israel																																													
972	971	BCE	969	968	967	966	965	964	BCE	962	961	960	959	958	957	BCE	955	954	953	952	951	950	BCE	948	947	946	945	944	943	BCE	941	940	939	938	937	936	BCE	934	3624	3625	CR	3627	3628	3629	3630	3631	3632	CR	3634	3635	3636	3637	3638	3639	CR	3641	3642	3643	3644	3645	3646	CR	3648	3649	3650	3651	3652	3653	CR	3655	3656	3657	3658	3659	3660	CR	3662

6	7	Rehoboam	10	11	12	13	14	Rehoboam	17	1	2	3	Asa	5	6	7	8	9	Asa	11	12	13	14	15	16	Asa	18	19	20	21	22	23	Asa	25				
3624	3625	CR	3627	3628	3629	3630	3631	3632	CR	3634	3635	3636	3637	3638	3639	CR	3641	3642	3643	3644	3645	3646	CR	3648	3649	3650	3651	3652	3653	CR	3655	3656	3657	3658	3659	3660	CR	3662

1 Kings 14:21 Rehoboam reigned 17 years.

1 Kings 15:1-2 In the 18th year of King Jeroboam the son of Nebat, Abijam became king over Judah. He reigned 3 years in Jerusalem.

1 Kings 15:9-10 In the 20th year of Jeroboam king of Israel, Asa became king over Judah. And he reigned 41 years in Jerusalem.

6	7	Jeroboam 1	10	11	12	13	14	Jeroboam 1	17	18	19	20	21	22	23	Baasha	25																					
3624	3625	CR	3627	3628	3629	3630	3631	3632	CR	3634	3635	3636	3637	3638	3639	CR	3641	3642	3643	3644	3645	3646	CR	3648	3649	3650	3651	3652	3653	CR	3655	3656	3657	3658	3659	3660	CR	3662

1 Kings 15:25 Now Nadab the son of Jeroboam became king over Israel in the 2nd year of Asa king of Judah, and he reigned over Israel 2 years.

1 Kings 14:20 Jeroboam reigned 22 years.

1 Kings 15:33 In the 3rd year of Asa king of Judah, Baasha the son of Ahijah became king over all Israel in Tirzah, and reigned 24 years.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19																																									
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114																						
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83

45	46	47	48	49	Iniquity of Israel	52	53	54	55	56	Iniquity of Israel	59	60	61	62	63	Iniquity of Israel	66	67	68	69	70	Iniquity of Israel	73	74	75	76	77	Iniquity of Israel	80	81	82	83					
933	932	931	930	929	BCE	927	926	925	924	923	922	BCE	920	919	918	917	916	915	BCE	913	912	911	910	909	908	BCE	906	905	904	903	902	901	BCE	899	898	897	896	895
3663	3664	3665	3666	3667	CR	3669	3670	3671	3672	3673	3674	CR	3676	3677	3678	3679	3680	3681	CR	3683	3684	3685	3686	3687	3688	CR	3690	3691	3692	3693	3694	3695	CR	3697	3698	3699	3700	3701

26	27	28	29	Asa	31	32	33	34	35	36	Asa	38	39	40	41
Jehoshaphat															
Jehoram															

1 Kings 22:41-42 Jehoshaphat the son of Asa became king over Judah in the **4th** year of Ahab king of Israel... and he reigned **25** years in Jerusalem.

2 Kings 8:16-17 Now in the **5th** year of Joram the son of Ahab... Jehoram the son of Jehoshaphat began to reign as king of Judah... he reigned **8** years in Jerusalem.

24	1	2	3	4	Omri	6	7	8	9	10	Omri	12
Ahab												
Joram												
Ahaziah												

1 Kings 16:8-10 In **26th** year of Asa king of Judah, Elah the son of Baasha became king over Israel, and reigned **2** years in Tirzah... And Zimri went in and struck him and killed him in the **27th** year of Asa king of Judah, and reigned in his place.

1 Kings 16:15-16 In the **27th** year of Asa king of Judah, Zimri reigned in Tirzah **7** days...

1 Kings 16:23 In **31st** year of Asa king of Judah, Omri became king over Israel. He reigned **12** years. He reigned **6** years in Tirzah.

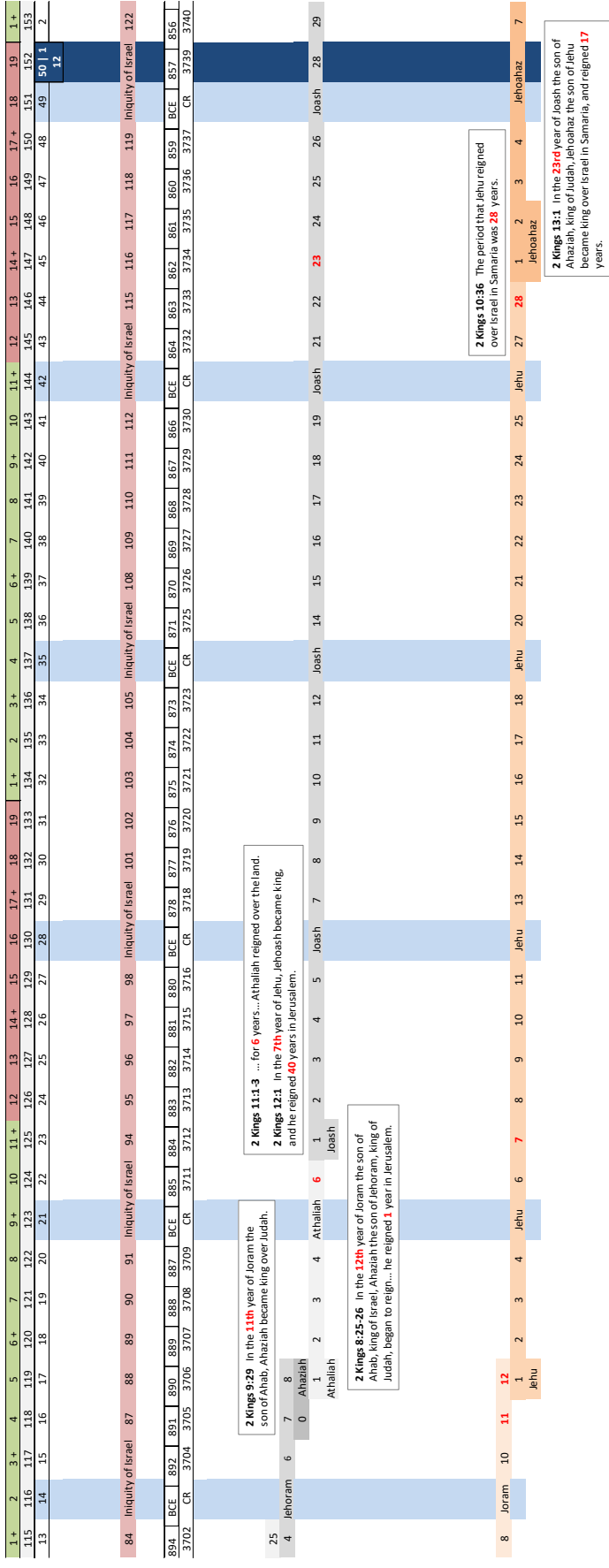
1 Kings 16:29 In the **38th** year of Asa king of Judah, Ahab the son of Omri became king over Israel. Ahab the son of Omri reigned over Israel in Samaria **22** years.

1 Kings 22:51 Ahaziah the son of Ahab became king over Israel in Samaria in the **17th** year of Jehoshaphat king of Judah, and reigned **2** years over Israel.

2 Kings 3:1 Now Jehoram the son of Ahab became king over Israel at Samaria in the **18th** year of Jehoshaphat king of Judah, and reigned **12** years.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11



Times and Appointed Times

MT Genesis 5 | SP Genesis 11

2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	1+	2
154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41

123	124	125	126	Iniquity of Israel	129	130	131	132	133	Iniquity of Israel	136	137	138	139	140	Iniquity of Israel	143	144	145	146	147	Iniquity of Israel	150	151	152	153	154	Iniquity of Israel	157	158	159	160	161					
855	854	853	852	BCE	850	849	848	847	846	845	BCE	843	842	841	840	839	838	BCE	836	835	834	833	832	831	BCE	829	828	827	826	825	824	BCE	822	821	820	819	818	817
3741	3742	3743	3744	CR	3746	3747	3748	3749	3750	3751	CR	3753	3754	3755	3756	3757	3758	CR	3760	3761	3762	3763	3764	3765	CR	3767	3768	3769	3770	3771	3772	CR	3774	3775	3776	3777	3778	3779

30	31	32	33	Joash	35	36	37	38	39	40																				
1	2	3	Amaziah	5	6	7	8	9	10	Amaziah	12	13	14	15	16	17	Amaziah	19	20	21	22	23	24	Amaziah	26	27	28	29	1	2
											Amaziah											No King								

2 Kings 14:1-2 In the 2nd year of Joash the son of Jehoahaz, king of Israel, Amaziah the son of Joash, king of Judah, became king... he reigned 29 years in Jerusalem.

8	9	10	11	Jehoahaz	14	15	16	17														
1	2	3	4	Jehoahaz	6	7	8	9	10	11	Jehoahaz	13	14	15	16	17						
											Jehoahaz		Jeroboam 2		Jeroboam 2		Jeroboam 2		Jeroboam 2		Jeroboam 2	

2 Kings 13:10 In 376b year of Joash king of Judah, Jehoahaz the son of Jehoahaz became king over Israel in Samaria, and reigned 16 years.

2 Kings 14:23 In the 15th year of Amaziah the son of Joash, king of Judah, Jeroboam the son of Joash, king of Israel, became king in Samaria, and reigned 41 years.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+																			
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231
42	43	44	45	46	47	48	49	50 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
								13																														1st
Iniquity of Israel	164	165	166	167	168	Iniquity of Israel	171	172	173	174	175	Iniquity of Israel	178	179	180	181	182	Iniquity of Israel	185	186	187	188	189	Iniquity of Israel	192	193	194	195	196	Iniquity of Israel	199	200						
BCE	815	814	813	812	811	810	BCE	808	807	806	805	804	803	BCE	801	800	799	798	797	796	BCE	794	793	792	791	790	789	BCE	787	786	785	784	783	782	BCE	780	779	778
CR	3781	3782	3783	3784	3785	3786	CR	3788	3789	3790	3791	3792	3793	CR	3795	3796	3797	3798	3799	3800	CR	3802	3803	3804	3805	3806	3807	CR	3809	3810	3811	3812	3813	3814	CR	3816	3817	3818
No King	4	5	6	7	8	9	No King	11	1	2	3	4	5	Uzziah	7	8	9	10	11	12	Uzziah	14	15	16	17	18	19	Uzziah	21	22	23	24	25	26	Uzziah	28	29	30
Uzziah (Azariah)																																						
Jeroboam 2	20	21	22	23	24	Jeroboam 2	27	28	29	30	31	Jeroboam 2	34	35	36	37	38	Jeroboam 2	41	?	1	2	3	4	?	6	7	8	9	10	11	?	13	14	15			

2 Kings 15:1-2 In the 27th year of Jeroboam king of Israel, Azariah the son of Amaziah, king of Judah, became king. He was 16 years old when he became king, and he reigned 52 years in Jerusalem.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

Olympiad	2nd Olympiad	3rd Olympiad	4th Olympiad	5th Olympiad	6th Olympiad	7th Olympiad	8th Olympiad	9th Olympiad	10th Olympiad																																																																																																				
4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4																																																																																										
232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270																																																																							
32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70																																																																							
201	202	203	Iniquity of Israel	206	207	208	209	210	Iniquity of Israel	213	214	215	216	217	Iniquity of Israel	220	221	222	223	224	Iniquity of Israel	227	228	229	230	231	Iniquity of Israel	234	235	236	237	Iniquity of Israel	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270																																														
777	776	775	BCE	773	772	771	770	769	768	BCE	766	765	764	763	762	761	BCE	759	758	757	756	755	754	BCE	752	751	750	749	748	747	BCE	745	744	743	742	741	740	BCE	3819	3820	3821	CR	3823	3824	3825	3826	3827	3828	CR	3830	3831	3832	3833	3834	3835	CR	3837	3838	3839	3840	3841	3842	CR	3844	3845	3846	3847	3848	3849	CR	3851	3852	3853	3854	3855	3856	CR																																
31	32	33	Uzziah	35	36	37	38	39	40	Uzziah	42	43	44	45	46	47	Uzziah	49	50	51	52	Jotham	1	2	Jotham	4	5	6	7	8	9	Jotham	11	12	13	14	15	16	Jotham	17	18	19	20	21	22	Rehoboam	Shallum	Menachem	0	1	Menachem	4	5	6	7	Menachem	10	10	Rehobah	1	2	1	2	3	Pekah	5	6	7	8	9	10	Pekah	12	13	14	15	16	17	Pekah																														
																				<p>2 Kings 15:8 In the 38th year of Azariah king of Judah, Zechariah the son of Jeroboam reigned over Israel in Samaria 6 months.</p>																						<p>2 Kings 15:32-33 In the 2nd year of Pekah the son of Remaliah, king of Israel, Jotham the son of Uzziah, king of Judah, began to reign....he reigned 16 years in Jerusalem.</p>																						<p>2 Kings 15:23 In the 50th year of Azariah king of Judah, Pekahiah the son of Menahem became king over Israel in Samaria, and reigned 2 years.</p>																						<p>2 Kings 16:12 In the 17th year of Pekah the son of Remaliah, Ahaz the son of Jotham, king of Judah, began to reign....he reigned 16 years in Jerusalem.</p>																						<p>2 Kings 15:27 In the 52nd year of Azariah king of Judah, Pekah the son of Remaliah became king over Israel in Samaria, and reigned 20 years.</p>	

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5																																																																							
271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309																																																																							
22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11																																																																						
11th Olympiad											12th Olympiad											13th Olympiad											14th Olympiad											15th Olympiad											16th Olympiad											17th Olympiad											18th Olympiad											19th Olympiad											20th Olympiad										
19	20	21	22	23	24	AUC	26	27	28	29	30	31	AUC	33	34	35	36	37	38	AUC	40	41	42	43	44	45	AUC	47	48	49	50	51	52	AUC	54	55	56	57																																																																							
240	241	242	243	244	245	Iniquity of Israel	248	249	250	251	252	Iniquity of Israel	255	256	257	258	259	Iniquity of Israel	262	263	264	265	266	Iniquity of Israel	269	270	271	272	273	Iniquity of Israel	276	277	278																																																																												
738	737	736	735	734	733	BCE	731	730	729	728	727	726	BCE	724	723	722	721	720	719	BCE	717	716	715	714	713	BCE	711	710	709	708	707	706	705	BCE	703	702	701	700																																																																							
3858	3859	3860	3861	3862	3863	CR	3865	3866	3867	3868	3869	3870	CR	3872	3873	3874	3875	3876	3877	CR	3879	3880	3881	3882	3883	CR	3885	3886	3887	3888	3889	3890	3891	CR	3893	3894	3895	3896																																																																							

Samaria Falls

Hezekiah's 14th Year

Isaiah 37:30 (2 Kings 19:29) This shall be a sign to you: You shall eat **this year** such as grows of itself, and in the **2nd year** what springs from the same; also in the **3rd year** you shall sow and reap, plant vineyards, and eat their fruit.
Isaiah 37:36 (2 Kings 19:35) It came to pass that night that the angel of the Lord went out and smote in the camp of the Assyrians one hundred and eighty-five thousand men; when they arose early in the morning, behold, they were all dead corpses.

2 Kings 18:1-2 Now it came to pass in the **3rd** year of Hoshea the son of Elah, king of Israel, that Hezekiah the son of Ahaz, king of Judah, began to reign...he reigned **29** years in Jerusalem.

18
2

Ahaz

16
0

Hezekiah

6

9

10

11

Hezekiah

14

15

Hezekiah's Added Years

20

23

24

25

2 Kings 18:9-10 Now it came to pass in the **4th** year of King Hezekiah, which was the **7th** year of Hoshea the son of Elah, king of Israel, that Salmanser-king of Assyria came up against Samaria and besieged it. At the end of **3** years they took it. In the **6th** year of Hezekiah, that is, the **9th** year of Hoshea king of Israel, Samaria was taken.

Isaiah 36:1-2 (2 Kings 18:13) It came to pass in the **14th** year of King Hezekiah, (Sennacherib king of Assyria having come up against all the fortified cities of Judah and taken them), that the king of Assyria sent Babelshaken with a massive army from Lachish to King Hezekiah at Jerusalem...

Isaiah 38:1-5 (2 Kings 20:1-6) "...Go tell Hezekiah, 'Thus says the Lord, the Elohim of David your father: "I have heard your prayer, I have seen your tears; Behold I am adding to your days **15** years..."

19
20

Hoshea

8

0

1

2

3

Hoshea

5

6

7

8

9

2 Kings 15:30 Then Hoshea the son of Elah led a conspiracy against Pekah the son of Remaliah, and struck and killed him; so he reigned in his place in the **20th** year of Jotham the son of Uzziah.

2 Kings 17:1 In the **12th** year of Ahaz king of Judah, Hoshea the son of Elah became king of Israel in Samaria, and he reigned **9** years.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+																																																		
310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348																															
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51																														
																				21st Olympiad					22nd Olympiad					23rd Olympiad					24th Olympiad					25th Olympiad					26th Olympiad					27th Olympiad					28th Olympiad					29th Olympiad					30th Olympiad				

58	59	AUC	61	62	63	64	65	66	AUC	68	69	70	71	72	73	AUC	75	76	77	78	79	80	AUC	82	83	84	85	86	87	AUC	89	90	91	92	93	94	AUC	96			
279	280	Iniquity of Israel	283	284	285	286	287	288	Iniquity of Israel	290	291	292	293	294	Iniquity of Israel	297	298	299	300	301	Iniquity of Israel	304	305	306	307	308	Iniquity of Israel	311	312	313	314	315	Iniquity of Israel								

699	698	BCE	696	695	694	693	692	691	BCE	689	688	687	686	685	684	BCE	682	681	680	679	678	677	BCE	675	674	673	672	671	670	BCE	668	667	666	665	664	663	BCE	661
3897	3898	CR	3900	3901	3902	3903	3904	3905	CR	3907	3908	3909	3910	3911	3912	CR	3914	3915	3916	3917	3918	3919	CR	3921	3922	3923	3924	3925	3926	CR	3928	3929	3930	3931	3932	3933	CR	3935

26	Hezekiah	29	1	2	3	4	5	Manasseh	8	9	10	11	12	Manasseh	15	16	17	18	19	Manasseh	22	23	24	25	26	Manasseh	29	30	31	32	33	Manasseh
12	13	+	15	2 Kings 21:1. Manasseh was 12 years old when he became king, and he reigned 55 years in Jerusalem.																												

7	8	9+	10	11	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15																
349	350	351	352	353	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34																
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40																
																				34th Olympiad					35th Olympiad					36th Olympiad					37th Olympiad					38th Olympiad					39th Olympiad					40th				

97	98	99	100	101	AUC	103	104	105	106	107	108	AUC	110	111	112	113	114	115	AUC	117	118	119	120	121	122	AUC	124	125	126	127	128	129	AUC	131	132	133	134	135
318	319	320	321	322	Iniquity of Israel	325	326	327	328	329	Iniquity of Israel	332	333	334	335	336	Iniquity of Israel	339	340	341	342	343	Iniquity of Israel	346	347	348	349	350	Iniquity of Israel	353	354	355	356					

660	659	658	657	656	BCE	654	653	652	651	650	649	BCE	647	646	645	644	643	642	BCE	640	639	638	637	636	635	BCE	633	632	631	630	629	628	BCE	626	625	624	623	622
3936	3937	3938	3939	3940	CR	3942	3943	3944	3945	3946	3947	CR	3949	3950	3951	3952	3953	3954	CR	3956	3957	3958	3959	3960	3961	CR	3963	3964	3965	3966	3967	3968	CR	3970	3971	3972	3973	3974

36	37	38	39	40	Manasseh	43	44	45	46	47	Manasseh	50	51	52	Manasseh	55	1	2	3	4	Josiah	6	7	8	9	10	11	Josiah	13	14	15	16	17				
																	Amon		Josiah																		

2 Kings 21:19 Amon was 22 years old when he became king, and he reigned 2 years in Jerusalem.

2 Kings 22:1 Josiah was 8 years old when he became king, and he reigned 31 years in Jerusalem.

Times and Appointed Times

MT Genesis 5 | SP Genesis 11

16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16																				
35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	
41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
																	41st Olympiad																						
																	42nd Olympiad																						
																	43rd Olympiad																						
																	44th Olympiad																						
																	45th Olympiad																						
																	46th Olympiad																						
																	47th Olympiad																						
																	48th Olympiad																						
																	49th Olympiad																						
136	AUC	138	139	140	141	142	143	AUC	145	146	147	148	149	150	AUC	152	153	154	155	156	157	AUC	159	160	161	162	163	164	AUC	166	167	168	169	170	171	AUC	173	174	
357	iniquity of Israel	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	
621	BCE	619	618	617	616	615	614	BCE	612	611	610	609	608	607	BCE	605	604	603	602	601	600	BCE	598	597	596	595	594	593	BCE	591	590	589	588	587	586	BCE	584	583	
3975	CR	3977	3978	3979	3980	3981	3982	CR	3984	3985	3986	3987	3988	3989	3990	3991	3992	3993	3994	3995	3996	CR	3998	3999	4000	4001	4002	4003	CR	4005	4006	4007	4008	4009	4010	CR	4012	4013	

Nebuchadnezzar's 1st Year

Ascension Year Reckoning
Non-Ascension Year Reckoning

Jehoiachin
Jehoiachin

Jehoiachin
Jehoiachin

Zedekiah
Zedekiah

Nebuchadnezzar
Nebuchadnezzar

Resolutions of Jerusalem
Resolutions of Jerusalem

2 Kings 23:31 Jehoiachin was 23 years old when he became king, and he reigned 3 months in Jerusalem.
2 Kings 23:34-36 Jehoiachin was 25 years old when he became king, and he reigned 11 years in Jerusalem.

Jeremiah 25:1 The word that came to Jeremiah concerning all the people of Judah, in the 4th year of Jehoiachin the son of Josiah, king of Judah, which was the 1st year of Nebuchadnezzar king of Babylon...

2 Kings 24:8, 12 Jehoiachin was 18 years old when he became king, and he reigned in Jerusalem 3 months... Then Jehoiachin king of Judah went out to the king of Babylon... and the king of Babylon, in the 8th year of his reign, took him prisoner.
2 Chronicles 36:9-10 At the turn of the year King Nebuchadnezzar summoned him and took him to Babylon...
Babylonian Chronicle In the 7th year in the month Kislev the king of Babylon laid siege to the city of Judah. On the 2nd day of the month Adar he conquered the city and took the king prisoner. He installed in his place a king of his own choice and after he had received rich tribute, he sent (them) forth to Babylon.

Ezekiel 1:2; 4:5 ... (on the 5th of the month, in the 5th year of Jehoiachin's exile...) For I have assigned you a number of days corresponding to the years of their iniquity, 390 days; thus you shall bear the iniquity of the house of Israel.

Jeremiah 25:11 This whole land will be a desolation and a horror, and these nations will serve the king of Babylon 70 years.
2 Kings 25:8, Jeremiah 52:12-13 Now in the 5th month, on the 10th day of the month, which was the 19th year of King Nebuchadnezzar, king of Babylon... he came to Jerusalem.
Jeremiah 52:28-29 ... in the 18th year of Nebuchadnezzar 832 souls were deported from Jerusalem...
Taunt 3:3 ... it was the 9th day of the month, the day after the Sabbath, and the year after the Sabbath year...

17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+																				
74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
																	51st Olympiad																						
																	52nd Olympiad																						
																	53rd Olympiad																						
																	54th Olympiad																						
																	55th Olympiad																						
																	56th Olympiad																						
																	57th Olympiad																						
																	58th Olympiad																						
																	59th Olympiad																						
175	176	177	178	AUC	180	181	182	183	184	185	AUC	187	188	189	190	191	192	AUC	194	195	196	197	198	199	AUC	201	202	203	204	205	206	AUC	208	209	210	211	212	213	
582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	
4014	4015	4016	4017	CR	4019	4020	4021	4022	4023	4024	CR	4026	4027	4028	4029	4030	4031	CR	4033	4034	4035	4036	4037	4038	CR	4040	4041	4042	4043	4044	4045	CR	4047	4048	4049	4050	4051	4052	

Nebuchadnezzar's 37th Year

Desolations
Desolations

Evil Merodach
Nebuchadnezzar

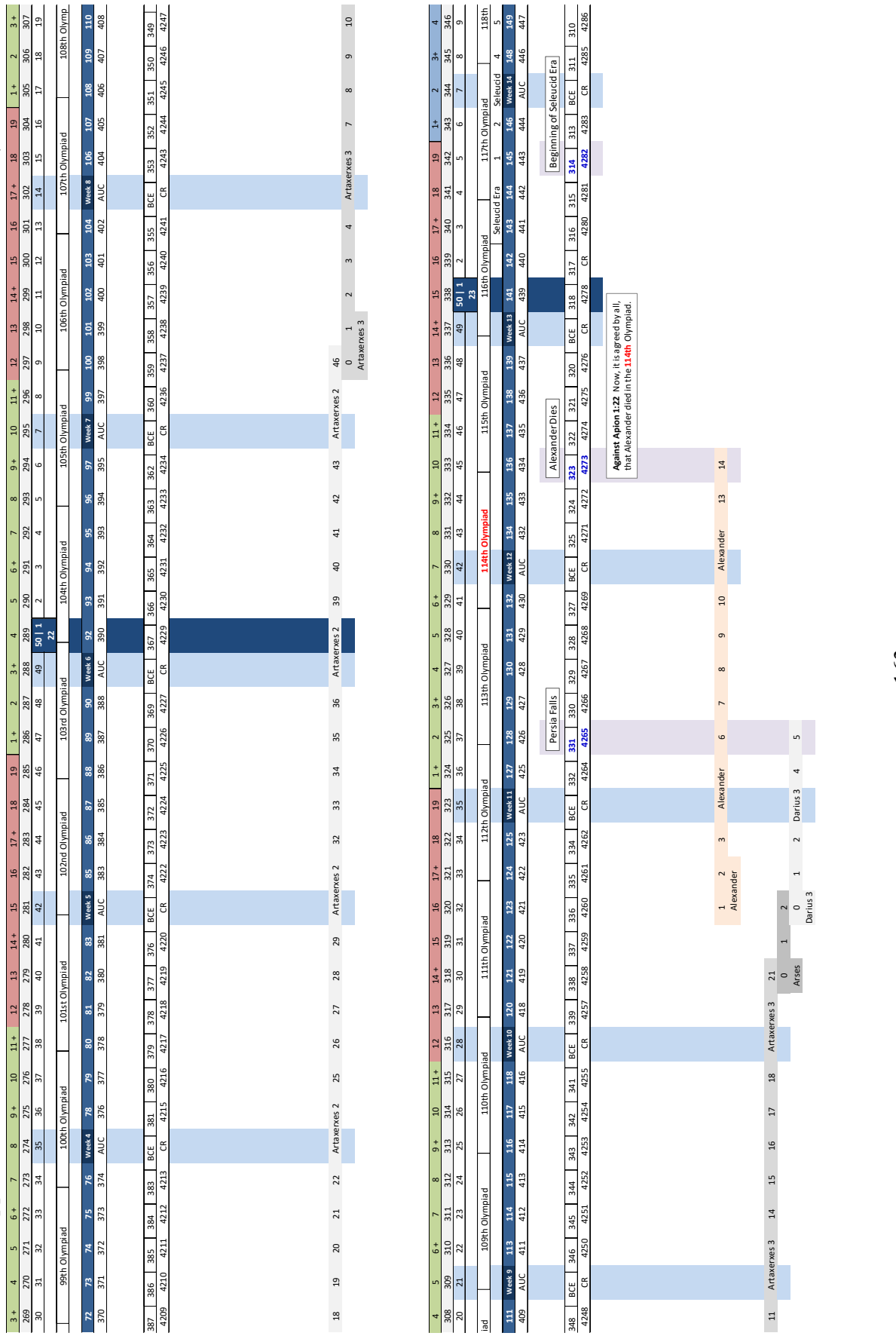
Labash/Marduk
Nabonidus

Belshazzar
Belshazzar

VAT 4956 Babylonian Astronomical Diary - The 37th year of Nebuchadnezzar has been astronomically dated to 568-567 BCE (Babylonian Ascension Year reckoning).

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5	6+	7	8	9+	10	11	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13
347	348	349	350	351	352	353	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Olympiad																																						
6	7	8	9	119th Olympiad			120th Olympiad	121st Olympiad	122nd Olympiad	123rd Olympiad	124th Olympiad	125th Olympiad	126th Olympiad	127th Olympiad																								
150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188
448	449	450	451	AUC	453	454	455	456	457	458	AUC	460	461	462	463	464	465	AUC	467	468	469	470	471	472	AUC	474	475	476	477	478	479	AUC	481	482	483	484	485	486

309	308	307	306	BCE	304	303	302	301	300	299	BCE	297	296	295	294	293	292	BCE	290	289	288	287	286	285	BCE	283	282	281	280	279	278	BCE	276	275	274	273	272	271
4287	4288	4289	4290	CR	4292	4293	4294	4295	4296	4297	CR	4299	4300	4301	4302	4303	4304	CR	4306	4307	4308	4309	4310	4311	CR	4313	4314	4315	4316	4317	4318	CR	4320	4321	4322	4323	4324	4325

14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+			
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71			
49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
Olympiad																																									
128th Olympiad	129th Olympiad	130th Olympiad	131st Olympiad	132nd Olympiad	133rd Olympiad	134th Olympiad	135th Olympiad	136th Olympiad	137th Olympiad																																
Seleucid 46	47	48	49	50	51	Seleucid 52	53	54	55	56	57	58	Seleucid 59	60	61	62	63	64	65	Seleucid 66	67	68	69	70	71	72	Seleucid 73	74	75	76	77	78	79	Seleucid 80	81	82	83				
Week20	491	492	493	494	495	Week21	497	498	499	500	Week22	503	504	505	506	507	AUC	509	510	511	512	513	514	AUC	516	517	518	519	520	521	AUC	523	524	525							

BCE	269	268	267	266	265	264	BCE	262	261	260	259	258	257	BCE	255	254	253	252	251	250	BCE	248	247	246	245	244	243	BCE	241	240	239	238	237	236	BCE	234	233	232
CR	4327	4328	4329	4330	4331	4332	CR	4334	4335	4336	4337	4338	4339	CR	4341	4342	4343	4344	4345	4346	CR	4348	4349	4350	4351	4352	4353	CR	4355	4356	4357	4358	4359	4360	CR	4362	4363	4364

15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	
39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Olympiad																																							
138th Olympiad	139th Olympiad	140th Olympiad	141st Olympiad	142nd Olympiad	143rd Olympiad	144th Olympiad	145th Olympiad	146th Olympiad	147th Olympiad																														
84	85	86	Seleucid 88	89	90	91	92	93	Seleucid 95	96	97	98	99	100	Seleucid 102	103	104	105	106	107	Seleucid 109	110	111	112	113	114	Seleucid 116	117	118	119	120	121	Seleucid 123	124	125	126	127		
228	229	230	Week26	232	233	234	235	236	237	238	239	240	241	242	243	244	Week28	246	247	248	249	250	251	Week29	253	254	255	256	257	258	Week30	260	261	262	263	264	265	Week31	
526	527	528	AUC	530	531	532	533	534	535	AUC	537	538	539	540	541	542	AUC	544	545	546	547	548	549	AUC	551	552	553	554	555	556	AUC	558	559	560	561	562	563	AUC	

231	230	229	BCE	227	226	225	224	223	222	BCE	220	219	218	217	216	215	BCE	213	212	211	210	209	208	BCE	206	205	204	203	202	201	BCE	199	198	197	196	195	194	BCE
4365	4366	4367	CR	4369	4370	4371	4372	4373	4374	CR	4376	4377	4378	4379	4380	4381	CR	4383	4384	4385	4386	4387	4388	CR	4390	4391	4392	4393	4394	4395	CR	4397	4398	4399	4400	4401	4402	CR

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12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69
8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46

82	83	84	85	86	87	CE	89	90	91	92	93	94	CE	96	97	98	99	100	101	CE	103	104	105	106	107	108	CE	110	111	112	113	114	115	CE	117	118	119	120
4677	4678	4679	4680	4681	4682	CR	4684	4685	4686	4687	4688	4689	CR	4691	4692	4693	4694	4695	4696	CR	4698	4699	4700	4701	4702	4703	CR	4705	4706	4707	4708	4709	4710	CR	4712	4713	4714	4715

13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13
70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108
47	48	49	50 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

121	122	CE	124	125	126	127	128	129	CE	131	132	133	134	135	136	CE	138	139	140	141	142	143	CE	145	146	147	148	149	CE	152	153	154	155	156	157	CE	159
4716	4717	CR	4719	4720	4721	4722	4723	4724	CR	4726	4727	4728	4729	4730	4731	CR	4733	4734	4735	4736	4737	4738	CR	4740	4741	4742	4743	4744	CR	4747	4748	4749	4750	4751	4752	CR	4754

14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+
109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147
37	38	39	40	41	42	43	44	45	46	47	48	49	50 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

160	161	162	163	164	CE	166	167	168	169	170	171	CE	173	174	175	176	177	178	CE	180	181	182	183	184	185	CE	187	188	189	190	191	192	CE	194	195	196	197	198
4755	4756	4757	4758	4759	CR	4761	4762	4763	4764	4765	4766	CR	4768	4769	4770	4771	4772	4773	CR	4775	4776	4777	4778	4779	4780	CR	4782	4783	4784	4785	4786	4787	CR	4789	4790	4791	4792	4793

15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15
148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

190	CE	201	202	203	204	205	206	CE	208	209	210	211	212	213	CE	215	216	217	218	219	220	CE	222	223	224	225	226	227	CE	229	230	231	232	233	234	CE	236	237
4794	CR	4796	4797	4798	4799	4800	4801	CR	4803	4804	4805	4806	4807	4808	CR	4810	4811	4812	4813	4814	4815	CR	4817	4818	4819	4820	4821	4822	CR	4824	4825	4826	4827	4828	4829	CR	4831	4832

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16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	
187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6

35

238	239	240	241	CE	243	244	245	246	247	248	CE	250	251	252	253	254	255	CE	257	258	259	260	261	262	CE	264	265	266	267	268	269	CE	271	272	273	274	275	276
4833	4834	4835	4836	CR	4838	4839	4840	4841	4842	4843	CR	4845	4846	4847	4848	4849	4850	CR	4852	4853	4854	4855	4856	4857	CR	4859	4860	4861	4862	4863	4864	CR	4866	4867	4868	4869	4870	4871

17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+
226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

CE	278	279	280	281	282	283	CE	285	286	287	288	289	290	CE	292	293	294	295	296	297	CE	299	300	301	302	303	304	CE	306	307	308	309	310	311	CE	313	314	315
CR	4873	4874	4875	4876	4877	4878	CR	4880	4881	4882	4883	4884	4885	CR	4887	4888	4889	4890	4891	4892	CR	4894	4895	4896	4897	4898	4899	CR	4901	4902	4903	4904	4905	4906	CR	4908	4909	4910

18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	
265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	
46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

36

316	317	318	CE	320	321	322	323	324	325	CE	327	328	329	330	331	332	CE	334	335	336	337	338	339	CE	341	342	343	344	345	346	CE	348	349	350	351	352	353	CE
4911	4912	4913	CR	4915	4916	4917	4918	4919	4920	CR	4922	4923	4924	4925	4926	4927	CR	4929	4930	4931	4932	4933	4934	CR	4936	4937	4938	4939	4940	4941	CR	4943	4944	4945	4946	4947	4948	CR

19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	
304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

37

355	356	357	358	359	360	CE	362	363	364	365	366	367	CE	369	370	371	372	373	374	CE	376	377	378	379	380	381	CE	383	384	385	386	387	388	CE	390	391	392	393
4950	4951	4952	4953	4954	4955	CR	4957	4958	4959	4960	4961	4962	CR	4964	4965	4966	4967	4968	4969	CR	4971	4972	4973	4974	4975	4976	CR	4978	4979	4980	4981	4982	4983	CR	4985	4986	4987	4988

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1+	2	3+	4	5	6+	7	8	9+	10	11	1+	2	3+	4	5	6+	7	8	9+	10	11	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+
343	344	345	346	347	348	349	350	351	352	353	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

394	395	CE	397	398	399	400	401	402	CE	404	405	406	407	408	409	CE	411	412	413	414	415	416	CE	418	419	420	421	422	423	CE	425	426	427	428	429	430	CE	432
4989	4990	CR	4992	4993	4994	4995	4996	4997	CR	4999	5000	5001	5002	5003	5004	CR	5006	5007	5008	5009	5010	5011	CR	5013	5014	5015	5016	5017	5018	CR	5020	5021	5022	5023	5024	5025	CR	5027

10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50 1	2	3	4	5

433	434	435	436	437	CE	439	440	441	442	443	444	CE	446	447	448	449	450	451	CE	453	454	455	456	457	458	CE	460	461	462	463	464	465	CE	467	468	469	470	471
5028	5029	5030	5031	5032	CR	5034	5035	5036	5037	5038	5039	CR	5041	5042	5043	5044	5045	5046	CR	5048	5049	5050	5051	5052	5053	CR	5055	5056	5057	5058	5059	5060	CR	5062	5063	5064	5065	5066

11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10									
08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50 1	2	3	4	5

472	CE	474	475	476	477	478	479	CE	481	482	483	484	485	486	CE	488	489	490	491	492	493	CE	495	496	497	498	499	500	CE	502	503	504	505	506	507	CE	509	510
5067	CR	5069	5070	5071	5072	5073	5074	CR	5076	5077	5078	5079	5080	5081	CR	5083	5084	5085	5086	5087	5088	CR	5090	5091	5092	5093	5094	5095	CR	5097	5098	5099	5100	5101	5102	CR	5104	5105

12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	
107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145
45	46	47	48	49	50 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

511	512	513	514	CE	516	517	518	519	520	521	CE	523	524	525	526	527	528	CE	530	531	532	533	534	535	CE	537	538	539	540	541	542	CE	544	545	546	547	548	549
5106	5107	5108	5109	CR	5111	5112	5113	5114	5115	5116	CR	5118	5119	5120	5121	5122	5123	CR	5125	5126	5127	5128	5129	5130	CR	5132	5133	5134	5135	5136	5137	CR	5139	5140	5141	5142	5143	5144

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13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	
146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	
35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
CE	551	552	553	554	555	556	CE	558	559	560	561	562	563	CE	565	566	567	568	569	CE	572	573	574	575	576	577	CE	579	580	581	582	583	584	CE	586	587	588		
CR	5146	5147	5148	5149	5150	5151	CR	5153	5154	5155	5156	5157	5158	CR	5160	5161	5162	5163	5164	5165	CR	5167	5168	5169	5170	5171	5172	CR	5174	5175	5176	5177	5178	5179	CR	5181	5182	5183	

14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	
185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CE	589	590	591	CE	593	594	595	596	597	598	CE	600	601	602	603	604	605	CE	607	608	609	610	611	612	CE	614	615	616	617	618	619	CE	621	622	623	624	625	626	CE
5184	5185	5186	CR	5188	5189	5190	5191	5192	5193	CR	5195	5196	5197	5198	5199	5200	CR	5202	5203	5204	5205	5206	5207	CR	5209	5210	5211	5212	5213	5214	CR	5216	5217	5218	5219	5220	5221	CR	

15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	
224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4
CE	628	629	630	631	632	633	CE	635	636	637	638	639	640	CE	642	643	644	645	646	647	CE	649	650	651	652	653	654	CE	656	657	658	659	660	661	CE	663	664	665	666
5223	5224	5225	5226	5227	5228	CR	5230	5231	5232	5233	5234	5235	CR	5237	5238	5239	5240	5241	5242	CR	5244	5245	5246	5247	5248	5249	CR	5251	5252	5253	5254	5255	5256	CR	5258	5259	5260	5261	

16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	
263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	
5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	
CE	667	668	669	670	671	672	673	674	675	CE	677	678	679	680	681	682	CE	684	685	686	687	688	689	CE	691	692	693	694	695	696	CE	698	699	700	701	702	703	CE	705
5262	5263	CR	5265	5266	5267	5268	5269	5270	CR	5272	5273	5274	5275	5276	5277	CR	5279	5280	5281	5282	5283	5284	CR	5286	5287	5288	5289	5290	5291	CR	5293	5294	5295	5296	5297	5298	5299	5300	5301

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17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	
302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	
44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33

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706	707	708	709	710	CE	712	713	714	715	716	717	CE	719	720	721	722	723	724	CE	726	727	728	729	730	731	CE	733	734	735	736	737	738	CE	740	741	742	743	744
5301	5302	5303	5304	5305	CR	5307	5308	5309	5310	5311	5312	CR	5314	5315	5316	5317	5318	5319	CR	5321	5322	5323	5324	5325	5326	CR	5328	5329	5330	5331	5332	5333	CR	5335	5336	5337	5338	5339

18	19	1+	2	3+	4	5	6+	7	8	9+	10	11	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	
341	342	343	344	345	346	347	348	349	350	351	352	353	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

45

745	CE	747	748	749	750	751	752	CE	754	755	756	757	758	759	CE	761	762	763	764	765	766	CE	768	769	770	771	772	773	CE	775	776	777	778	779	780	CE	782	783
5540	CR	5542	5543	5544	5545	5546	5547	CR	5549	5550	5551	5552	5553	5554	CR	5556	5557	5558	5559	5560	5561	CR	5563	5564	5565	5566	5567	5568	CR	5570	5571	5572	5573	5574	5575	CR	5577	5578

8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13

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784	785	786	787	CE	789	790	791	792	793	794	CE	796	797	798	799	800	801	CE	803	804	805	806	807	808	CE	810	811	812	813	814	815	CE	817	818	819	820	821	822
5579	5580	5381	5382	CR	5384	5385	5386	5387	5388	5389	CR	5391	5392	5393	5394	5395	5396	CR	5398	5399	5400	5401	5402	5403	CR	5405	5406	5407	5408	5409	5410	CR	5412	5413	5414	5415	5416	5417

9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3

47

CE	824	825	826	827	828	829	CE	831	832	833	834	835	836	CE	838	839	840	841	842	843	CE	845	846	847	848	849	850	CE	852	853	854	855	856	857	CE	859	860	861
CR	5420	5421	5422	5423	5424	CR	5426	5427	5428	5429	5430	5431	CR	5433	5434	5435	5436	5437	5438	CR	5440	5441	5442	5443	5444	5445	CR	5447	5448	5449	5450	5451	5452	CR	5454	5455	5456	

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14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+
251	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51

1018	CE	1020	1021	1022	1023	1024	1025	CE	1027	1028	1029	1030	1031	1032	CE	1034	1035	1036	1037	1038	1039	CE	1041	1042	1043	1044	1045	1046	CE	1048	1049	1050	1051	1052	1053	CE	1055	1056
5613	CR	5615	5616	5617	5618	5619	5620	CR	5622	5623	5624	5625	5626	5627	CR	5629	5630	5631	5632	5633	5634	CR	5636	5637	5638	5639	5640	5641	CR	5643	5644	5645	5646	5647	5648	CR	5650	5651

15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15
300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41

1057	1058	1059	1060	CE	1062	1063	1064	1065	1066	1067	CE	1069	1070	1071	1072	1073	1074	CE	1076	1077	1078	1079	1080	1081	CE	1083	1084	1085	1086	1087	1088	CE	1090	1091	1092	1093	1094	1095
5652	5653	5654	5655	CR	5657	5658	5659	5660	5661	5662	CR	5664	5665	5666	5667	5668	5669	CR	5671	5672	5673	5674	5675	5676	CR	5678	5679	5680	5681	5682	5683	CR	5685	5686	5687	5688	5689	5690

16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5
339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80

CE	1097	1098	1099	1100	1101	1102	CE	1104	1105	1106	1107	1108	1109	CE	1111	1112	1113	1114	1115	1116	CE	1118	1119	1120	1121	1122	1123	CE	1125	1126	1127	1128	1129	1130	CE	1132	1133	1134
CR	5692	5693	5694	5695	5696	5697	CR	5699	5700	5701	5702	5703	5704	CR	5706	5707	5708	5709	5710	5711	CR	5713	5714	5715	5716	5717	5718	CR	5720	5721	5722	5723	5724	5725	CR	5727	5728	5729

6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70

1135	1136	1137	CE	1139	1140	1141	1142	1143	1144	CE	1146	1147	1148	1149	1150	1151	CE	1153	1154	1155	1156	1157	1158	CE	1160	1161	1162	1163	1164	1165	CE	1167	1168	1169	1170	1171	1172	CE
5730	5731	5732	CR	5734	5735	5736	5737	5738	5739	CR	5741	5742	5743	5744	5745	5746	CR	5748	5749	5750	5751	5752	5753	5754	CR	5756	5757	5758	5759	5760	CR	5762	5763	5764	5765	5766	5767	CR

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1174	1175	1176	1177	1178	1179	CE	1181	1182	1183	1184	1185	1186	CE	1188	1189	1190	1191	1192	1193	CE	1195	1196	1197	1198	1199	1200	CE	1202	1203	1204	1205	1206	1207	CE	1209	1210	1211	1212
5769	5770	5771	5772	5773	5774	CR	5776	5777	5778	5779	5780	5781	CR	5783	5784	5785	5786	5787	5788	CR	5790	5791	5792	5793	5794	5795	CR	5797	5798	5799	5800	5801	5802	CR	5804	5805	5806	5807

8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8
104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	
5808	5809	CR	5811	5812	5813	5814	5815	5816	CR	5818	5819	5820	5821	5822	5823	CR	5825	5826	5827	5828	5829	5830	CR	5832	5833	5834	5835	5836	5837	CR	5839	5840	5841	5842	5843	5844	CR	5846

1252	1253	1254	1255	1256	CE	1258	1259	1260	1261	1262	1263	CE	1265	1266	1267	1268	1269	1270	CE	1272	1273	1274	1275	1276	1277	CE	1279	1280	1281	1282	1283	1284	CE	1286	1287	1288	1290	
5847	5848	5849	5850	5851	CR	5853	5854	5855	5856	5857	5858	CR	5860	5861	5862	5863	5864	5865	CR	5867	5868	5869	5870	5871	5872	CR	5874	5875	5876	5877	5878	5879	CR	5881	5882	5883	5884	5886

1291	CE	1293	1294	1295	1296	1297	1298	CE	1300	1301	1302	1303	1304	1305	CE	1307	1308	1309	1310	1311	1312	CE	1314	1315	1316	1317	1318	1319	CE	1321	1322	1323	1324	1325	1326	CE	1328	1329
5886	CR	5888	5889	5890	5891	5892	5893	CR	5895	5896	5897	5898	5899	5900	CR	5902	5903	5904	5905	5906	5907	CR	5909	5910	5911	5912	5913	5914	CR	5916	5917	5918	5919	5920	5921	CR	5923	5924

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11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	
220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

1330	1331	1332	1333	CE	1335	1336	1337	1338	1339	1340	CE	1342	1343	1344	1345	1346	1347	CE	1348	1350	1351	1352	1353	1354	CE	1356	1357	1358	1359	1360	1361	CE	1363	1364	1365	1366	1367	1368
5925	5926	5927	5928	CR	5930	5931	5932	5933	5934	5935	CR	5937	5938	5939	5940	5941	5942	CR	5944	5945	5946	5947	5948	5949	CR	5951	5952	5953	5954	5955	5956	CR	5958	5959	5960	5961	5962	5963

12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	
259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10

CE	1370	1371	1372	1373	1374	1375	CE	1377	1378	1379	1380	1381	1382	CE	1384	1385	1386	1387	1388	1389	CE	1391	1392	1393	1394	1395	1396	CE	1398	1399	1400	1401	1402	1403	CE	1405	1406	1407
CR	5965	5966	5967	5968	5969	5970	CR	5972	5973	5974	5975	5976	5977	CR	5979	5980	5981	5982	5983	5984	CR	5986	5987	5988	5989	5990	5991	CR	5993	5994	5995	5996	5997	5998	CR	6000	6001	6002

13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13
298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49

1408	1409	1410	CE	1412	1413	1414	1415	1416	1417	CE	1419	1420	1421	1422	1423	1424	CE	1426	1427	1428	1429	1430	1431	CE	1433	1434	1435	1436	1437	1438	CE	1440	1441	1442	1443	1444	1445	CE
6003	6004	6005	CR	6007	6008	6009	6010	6011	6012	CR	6014	6015	6016	6017	6018	6019	CR	6021	6022	6023	6024	6025	6026	CR	6028	6029	6030	6031	6032	6033	CR	6035	6036	6037	6038	6039	6040	CR

14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	
298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	
50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39

1447	1448	1449	1450	1451	1452	CE	1454	1455	1456	1457	1458	1459	CE	1461	1462	1463	1464	1465	1466	CE	1468	1469	1470	1471	1472	1473	CE	1475	1476	1477	1478	1479	1480	CE	1482	1483	1484	1485
6042	6043	6044	6045	6046	6047	CR	6049	6050	6051	6052	6053	6054	CR	6056	6057	6058	6059	6060	6061	CR	6063	6064	6065	6066	6067	6068	CR	6070	6071	6072	6073	6074	6075	CR	6077	6078	6079	6080

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1486	1487	CE	1489	1490	1491	1492	1493	1494	CE	1496	1497	1498	1499	1500	1501	CE	1503	1504	1505	1506	1507	1508	CE	1510	1511	1512	1513	1514	1515	CE	1517	1518	1519	1520	1521	1522	CE	1524
6081	6082	CR	6084	6085	6086	6087	6088	6089	CR	6091	6092	6093	6094	6095	6096	CR	6098	6099	6100	6101	6102	6103	CR	6105	6106	6107	6108	6109	6110	CR	6112	6113	6114	6115	6116	6117	CR	6119

1526	1527	1528	1529	CE	1531	1532	1533	1534	1535	1536	CE	1538	1539	1540	1541	1542	1543	CE	1545	1546	1547	1548	1549	1550	CE	1552	1553	1554	1555	1556	1557	CE	1559	1560	1561	1562	1563	
6120	6121	6122	6123	6124	CR	6126	6127	6128	6129	6130	6131	CR	6133	6134	6135	6136	6137	6138	CR	6140	6141	6142	6143	6144	6145	CR	6147	6148	6149	6150	6151	6152	CR	6154	6155	6156	6157	6158

1564	CE	1566	1567	1568	1569	1570	1571	CE	1573	1574	1575	1576	1577	1578	CE	1580	1581	1582	1583	1584	1585	CE	1587	1588	1589	1590	1591	1592	CE	1594	1595	1596	1597	1598	1599	CE	1601	1602
6159	CR	6161	6162	6163	6164	6165	6166	CR	6168	6169	6170	6171	6172	6173	CR	6175	6176	6177	6178	6179	6180	CR	6182	6183	6184	6185	6186	6187	CR	6189	6190	6191	6192	6193	6194	CR	6196	6197

7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178

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8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8			
179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217			
49	50 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38			
63																																									

CE	1643	1644	1645	1646	1647	1648	CE	1650	1651	1652	1653	1654	1655	CE	1657	1658	1659	1660	1661	1662	CE	1664	1665	1666	1667	1668	1669	CE	1671	1672	1673	1674	1675	1676	CE	1678	1679	1680
CR	6238	6239	6240	6241	6242	6243	CR	6245	6246	6247	6248	6249	6250	CR	6252	6253	6254	6255	6256	6257	CR	6259	6260	6261	6262	6263	6264	CR	6266	6267	6268	6269	6270	6271	CR	6273	6274	6275

9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+		
218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256		
39	40	41	42	43	44	45	46	47	48	49	50 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
64																																								

1681	1682	CE	1685	1686	1687	1688	1689	1690	CE	1692	1693	1694	1695	1696	1697	CE	1699	1700	1701	1702	1703	1704	CE	1706	1707	1708	1709	1710	1711	CE	1713	1714	1715	1716	1717	1718	CE	
6276	6277	6278	CR	6280	6281	6282	6283	6284	6285	CR	6287	6288	6289	6290	6291	6292	CR	6294	6295	6296	6297	6298	6299	CR	6301	6302	6303	6304	6305	6306	CR	6308	6309	6310	6311	6312	6313	CR

10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10		
257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295		
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
65																																								

1720	1721	1722	1723	1724	1725	CE	1727	1728	1729	1730	1731	1732	CE	1734	1735	1736	1737	1738	1739	CE	1741	1742	1743	1744	1745	1746	CE	1748	1749	1750	1751	1752	1753	CE	1755	1756	1757	1758
6315	6316	6317	6318	6319	6320	CR	6322	6323	6324	6325	6326	6327	CR	6329	6330	6331	6332	6333	6334	CR	6336	6337	6338	6339	6340	6341	CR	6343	6344	6345	6346	6347	6348	CR	6350	6351	6352	6353

11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+		
296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334		
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50 1	2	3	4	5	6	7	8		
66																																								

1759	1760	CE	1762	1763	1764	1765	1766	1767	CE	1769	1770	1771	1772	1773	1774	CE	1776	1777	1778	1779	1780	1781	CE	1783	1784	1785	1786	1787	1788	CE	1790	1791	1792	1793	1794	1795	CE	1797	1798
6344	6355	CR	6357	6358	6359	6360	6361	6362	CR	6364	6365	6366	6367	6368	6369	CR	6371	6372	6373	6374	6375	6376	CR	6378	6379	6380	6381	6382	6383	CR	6385	6386	6387	6388	6389	6390	CR	6392	

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1298	1799	1800	1801	1802	CE	1804	1805	1806	1807	1808	1809	CE	1811	1812	1813	1814	1815	1816	CE	1818	1819	1820	1821	1822	1823	CE	1825	1826	1827	1828	1829	1830	CE	1832	1833	1834	1835	1836	1837
6393	6394	6395	6396	6397	CR	6399	6400	6401	6402	6403	6404	CR	6406	6407	6408	6409	6410	6411	CR	6413	6414	6415	6416	6417	6418	6419	CR	6420	6421	6422	6423	6424	6425	CR	6427	6428	6429	6430	6431

2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	1	2	2	2	2	2	2	2	2	2	2
48	49	50	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	

1876	1877	1878	1879	CE	1881	1882	1883	1884	1885	1886	CE	1888	1889	1890	1891	1892	1893	CE	1895	1896	1897	1898	1899	1900	CE	1902	1903	1904	1905	1906	1907	CE	1909	1910	1911	1912	1913	1914
6471	6472	6473	6474	CR	6476	6477	6478	6479	6480	6481	CR	6483	6484	6485	6486	6487	6488	CR	6490	6491	6492	6493	6494	6495	CR	6497	6498	6499	6500	6501	6502	CR	6504	6505	6506	6507	6508	6509

4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4		
99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137		
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

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6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215
8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46

484 485 486 487

Daniel's 70th Week?

1993	1994	1995	1996	1997	1998	CE	2000	2001	2002	2003	2004	2005	CE	2007	2008	2009	2010	2011	2012	CE	2014	2015	2016	2017	2018	2019	CE	2021	2022	2023	2024	2025	2026	CE	2028	2029	2030	2031
6588	6589	6590	6591	6592	6593	CR	6595	6596	6597	6598	6599	6600	CR	6602	6603	6604	6605	6606	6607	CR	6609	6610	6611	6612	6613	6614	CR	6616	6617	6618	6619	6620	6621	CR	6623	6624	6625	6626

7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	
216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	
47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

Daniel 9:27 And he will confirm a covenant with the many for one week, but in the middle of the week he will put a stop to sacrifice and grain offering; and on the wing of abominations will come one who makes desolate, even until a complete destruction, one that is decreed, is poured out on the one who makes desolate.

488 489 week 70

2032	CE	2034	2035	2036	2037	2038	2039	2040	CE	2042	2043	2044	2045	2046	2047	CE	2049	2050	2051	2052	2053	2054	CE	2056	2057	2058	2059	2060	2061	CE	2063	2064	2065	2066	2067	2068	CE	2070
6627	CR	6629	6630	6631	6632	6633	6634	6635	CR	6637	6638	6639	6640	6641	6642	CR	6644	6645	6646	6647	6648	6649	CR	6651	6652	6653	6654	6655	6656	CR	6658	6659	6660	6661	6662	6663	CR	6665

8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	9+	10	11+	12	13	14+	15	16	17+	18	19	1+	2	3+	4	5	6+	7	8	
255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	
37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Daniel 9:27 And he will confirm a covenant with the many for one week, but in the middle of the week he will put a stop to sacrifice and grain offering; and on the wing of abominations will come one who makes desolate, even until a complete destruction, one that is decreed, is poured out on the one who makes desolate.

484 485 486 487 488 489 week 70

Daniel's 70th Week?

2071	2072	2073	2074	2075	CE	2077	2078	2079	2080	2081	CE	2083	2084	2085	2086	2087	2088	2089	CE	2091	2092	2093	2094	2095	2096	CE	2098	2099	2100	2101	2102	2103	CE	2105	2106	2107	2108	2109
6666	6667	6668	6669	6670	CR	6672	6673	6674	6675	6676	CR	6678	6679	6680	6681	6682	6683	6684	CR	6686	6687	6688	6689	6690	6691	CR	6693	6694	6695	6696	6697	6698	CR	6700	6701	6702	6703	6704